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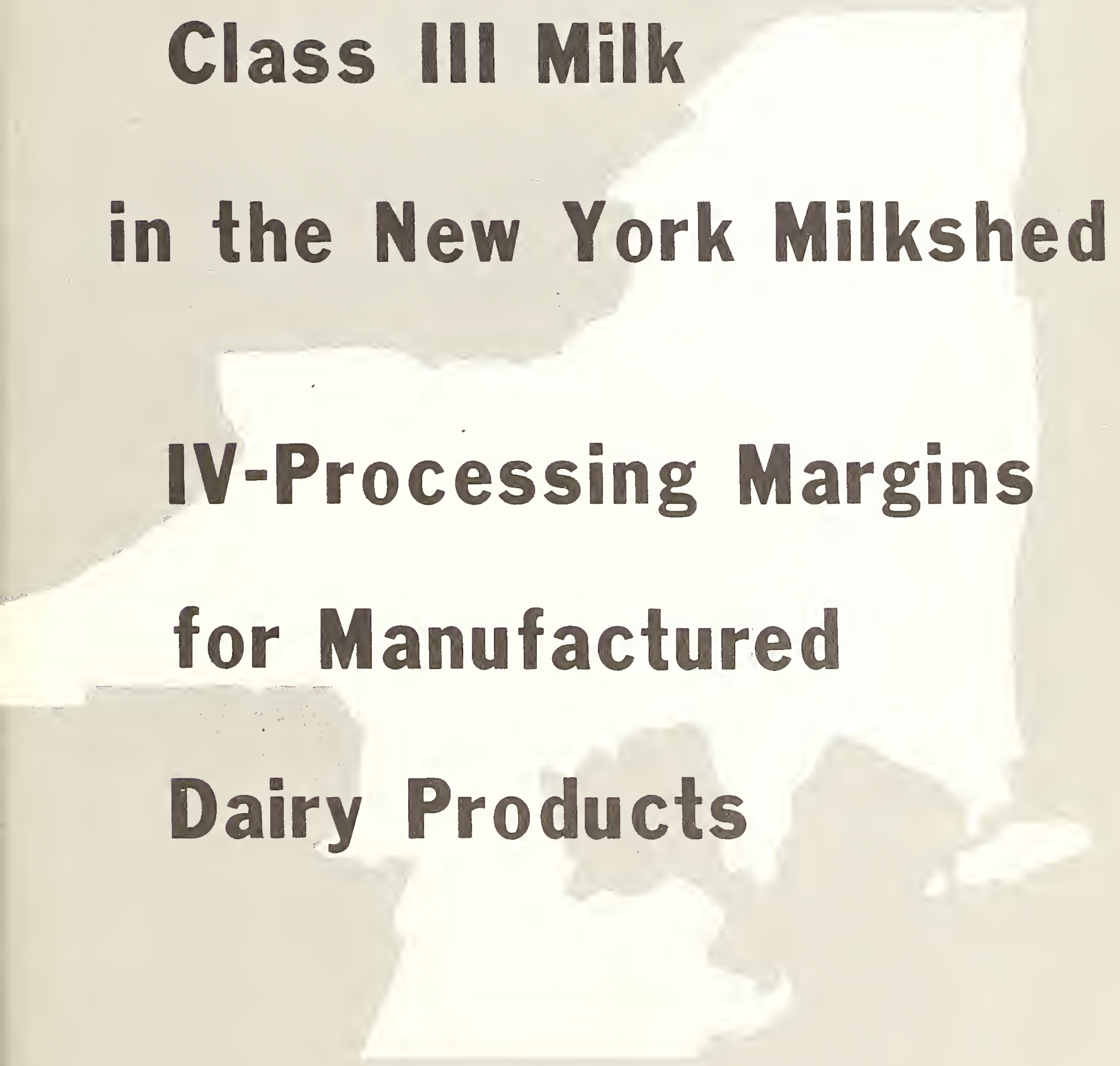

Class III Milk in the New York Milkshed

IV-Processing Margins for Manufactured Dairy Products

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
MARKETING ECONOMICS RESEARCH DIVISION

PREFACE

This report is one of a group dealing with Class III milk pricing in the New York-New Jersey milkshed. Particular emphasis is given to factors affecting the market for Class III products and to the decisions which handlers make about the form in which they will dispose of Class III milk. The project under which this group of publications has been developed was carried out by the Marketing Economics Research Division, Agricultural Marketing Service. A substantial part of the cost was financed by a grant from the New York-New Jersey Milk Market Administrator.

The objective of this report is to present approximations of the margins available to processors in this milkshed for the manufacture of the major alternative products. These margins indicate the relative profitability of alternative uses of Class III milk and may be important factors affecting manufacturers' decisions on utilization. The various factors required to make such an analysis are discussed: The quantities of products derived from a hundred pounds of milk, the prices of the finished products, the costs of raw materials and the costs of processing.

Previous reports in this group were:

Class III Milk in the New York Milkshed:

I Manufacturing Operations
II An Economic Description of the Manufactured Dairy Products Industry
III Costs of Manufacturing Dairy Products

Additional reports that we hope to include relate to processors' decisions on utilization of this milk and economic aspects of pricing Class III milk.

The work on which the reports are based was done by a research team composed of Donald B. Agnew, F. W. Cobb, Jr., C. E. McAllister, and T. R. Owens, under the general supervision of D. A. Clarke, Jr. (on leave from the University of California). Additional assistance was obtained from Irving Dubov (on leave from the University of Tennessee).

The cooperation of representatives of the dairy industry, as well as members of the various regulatory agencies, is gratefully acknowledged. R. G. Bressler, Professor of Agricultural Economics, University of California, and consultant to the Marketing Economics Research Division, contributed substantially to the analysis of the problem with which the study deals and to the planning of the work. His article, "Pricing Raw Product in Complex Milk Markets," (Agr. Econ. Res. 10(4): 113. October 1958) embodies a part of this contribution. Louis F. Herrmann, Head, Dairy Section, Marketing Economics Research Division, contributed both to the inception and progress of the project and to the development and preparation of substantial parts of the study.

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SUMMARY

This report shows the "partial" net margins of processors of milk and dairy products in the New York-New Jersey milkshed. Although not exactly synonymous with profits, these margins indicate the relative profitability of manufacturing alternative types of dairy products. These margins represent the difference between the prices received by manufacturers and the costs of raw materials and processing. (These are called "partial" net margins because some marketing and administrative costs were excluded.)

Processors' margins for the major products or combination of products made from Class III milk in the New York-New Jersey milkshed remained relatively stable over the 10-year period, 1948-57. Margins for "spot" milk (that is, milk sold for fluid use in addition to that sold under annual contract, including some diverted from manufacturing plants) were substantially more variable than those for the major types of manufacturing operations.

Processors' margins for manufacturing Cheddar cheese tended to be comparable to those for combinations of either butter or manufacturing cream with spray-process dry milk. These margins were relatively low.

Processors able to find a market for skim milk in the form of condensed skim or creamed cottage cheese had margins about 50 cents per hundredweight higher than those for combinations involving nonfat dry milk.

Ice cream mix consistently gave processors the widest net margins for milk fat. Calculated margins for ice cream mix combinations averaged about 60 cents per hundred pounds of milk higher than margins for combinations involving either butter or manufacturing cream. Based on these data, the combination of ice cream mix and creamed cottage cheese offered manufacturers of dairy products the widest margins for Class III milk.

The specific manufactured products and combinations of products that were selected for study include butter, cream, and ice cream mix as fat-containing products, and nonfat dry milk, condensed skim milk, and creamed cottage cheese as products using skim milk. Cheddar cheese was included as a product using whole milk. In addition, an analysis was made of milk diverted from manufacturing plants to fluid milk usage.

Factors in the analysis of the partial net margins included yields of products from whole milk, prices of products, cost of raw product (primarily raw whole milk), and cost of processing. The determination of these factors is discussed in the report, and margins are calculated, by months, for the 10-year period January 1948 through December 1957.

Approximately 40 percent of the total milk produced in the New York-New Jersey milkshed was used for Class III purposes during 1948-57. This amounted to approximately 3 billion pounds of milk per year. The major uses of this milk included the production of cream (other than that sold as Class II), homogenized mixes (primarily used for the manufacture of ice cream), butter, Cheddar cheese, nonfat dry milk, cottage cheese, and condensed skim milk.

CLASS III MILK IN THE NEW YORK MILKSHED:
IV. PROCESSING MARGINS FOR MANUFACTURED DAIRY PRODUCTS

By C. E. McAllister and D. A. Clarke, Jr. [1]
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INTRODUCTION

Utilization of Class III milk may change for a number of reasons, one of the most important, probably, being the changing profitability of the various Class III products. Consequently, a measure of net profits should show the direction in which manufacturers will tend to shift their use of milk (3). [2] Other considerations may prevent some firms from changing their output in the direction indicated by a currently favorable margin. Such considerations may include: (1) Expectations that eventual benefits will offset prospective short-run gains in the manufacturing operation itself; (2) inelastic demand for the product with the wider margin; (3) fluid milk operations being so important to the firm as to override a more limited possibility of gain in Class III operations (about half the firms operating manufacturing plants also carry on fluid milk operations of some type); and (4) need to offer buyers a full line of products at all times. Despite the possible effects of such additional factors, information on the profitability of various Class III products should give some understanding of the nature of the markets for the products manufactured from Class III milk. In addition, such information should be helpful in explaining changes in the utilization of Class III milk.

The work on which this report is based is part of a broad program of research aimed at improving the efficiency of the marketing of farm products. The purpose of the work was to develop estimates of margins available to firms manufacturing the major types of products which utilize Class III milk. The study covered the years 1948-57, and estimates of margins were prepared for 11 products or combinations of products. Supporting data on prices, costs of raw materials, and costs of processing are presented and discussed.

The marketing of the milk supply for the New York-New Jersey market is regulated under Federal Milk Marketing Order No. 27 and concurrent New York and

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[1] C. E. McAllister was formerly with the Marketing Economics Research Division. D. A. Clarke, Jr. is Associate Professor of Agricultural Economics at the University of California and was employed by Agricultural Marketing Service while on leave from the University.

[2] Underscored numbers in parentheses refer to Literature Cited, p. 41.

New Jersey Orders. [3] The supplies of milk that exceed the quantities used for fluid purposes constitute the Class III milk, which is diverted into manufactured dairy products. Approximately 3 billion pounds of milk annually has been used as Class III milk (table 1). From 1952 to 1958, Class III utilization accounted for roughly 40 percent of total pool supplies. The availability of Class III milk varies seasonally, with substantially greater supplies in the peak month (usually May) than in the low month (November).

Some of the manufactured dairy products made from Class III milk use the milk fat and solids-not-fat in approximately the proportions in which they occur in whole milk. These include Cheddar cheese, condensed whole milk, whole milk powder, and evaporated milk. Other products use only the fat, which is separated from the milk in the form of cream; still other products are made from skim milk. A wide variety of fat-containing dairy products are manufactured in this milkshed, the most important being cream, homogenized mixes (primarily for ice cream), and butter (table 2). By far the most important usage of the skim milk from Class III milk is in the manufacture of nonfat dry milk, although sizable quantities of skim milk are used for cottage cheese and condensed skim milk (table 3).

The specific manufactured products or combinations of products that have been selected for this analysis include butter, cream, and ice cream mix as fat-containing products, and nonfat dry milk, condensed skim milk, and creamed cottage cheese as products using the skim milk portion. Cheddar cheese has been included as a product using whole milk. In addition, an analysis has been made of milk diverted from manufacturing plants for fluid milk usage. This latter type of milk is commonly referred to by the industry as "spot" milk. With the exception of Cheddar cheese and spot milk, all of the products being considered are produced as "joint products."

Nine of these joint-product combinations are analyzed: Butter and nonfat dry milk, butter and condensed skim milk, butter and creamed cottage cheese, cream and nonfat dry milk, cream and condensed skim milk, cream and creamed cottage cheese, ice cream mix and nonfat dry milk, ice cream and condensed skim milk, and ice cream mix and creamed cottage cheese.

YIELDS OF PRODUCTS FROM MILK

The amount of product that can be manufactured from a hundred pounds of raw milk varies according to the particular product being processed. Thus, 100 pounds of milk of 3.5 percent fat content (with the associated nonfat solids) will produce approximately 8.75 pounds of 40 percent cream plus 91.25 pounds of skim milk. Alternatively this same milk can be converted into approximately 4.2 pounds of butter and 8.6 pounds of nonfat dry milk.

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[3] Since August 1, 1957, the "marketing area" has comprised the City of New York, the counties of Nassau, Suffolk (except Fishers Island), and Westchester plus the 12 northernmost counties of New Jersey and most of southeastern New York State.

Table 1.--Quantities of Class III milk used and percentage of total milk receipts in Class III, New York-New Jersey market, by months, 1952-58 1/

Month	Million pounds of Class III milk							Percentage of total receipts						
	1952	1953	1954	1955	1956	1957	1958	1952	1953	1954	1955	1956	1957	1958
January....	150.8	210.8	234.3	238.4	278.3	200.1	184.4	30.0	37.3	39.6	39.7	43.1	33.9	35.5
February...	170.8	223.3	250.1	243.8	297.2	199.4	263.1	34.1	41.3	44.1	42.3	46.4	36.3	35.7
March......	269.4	318.5	357.1	351.5	394.4	297.7	374.0	43.7	46.7	49.7	48.6	51.2	43.5	41.2
April......	328.2	391.9	427.9	413.6	433.4	367.8	443.6	49.3	53.6	56.6	54.1	54.7	50.2	47.2
May........	430.5	496.8	530.3	548.4	492.3	507.1	527.4	55.3	58.2	60.1	59.8	56.7	57.5	50.1
June.......	416.6	441.7	483.0	494.6	517.4	453.8	523.8	54.2	55.4	58.5	57.9	58.3	55.1	51.1
July.......	250.5	279.9	305.1	285.0	348.4	294.2	361.9	40.2	43.6	45.9	42.8	48.5	43.7	42.2
August.....	222.6	215.3	194.0	208.9	227.2	224.3	264.2	38.6	37.2	34.7	35.3	37.5	30.5	34.7
September..	161.2	144.8	171.2	257.9	185.8	165.5	212.8	30.3	27.3	32.0	41.4	33.0	23.9	29.4
October....	153.5	210.2	183.7	232.9	168.2	203.2	232.4	29.0	37.9	32.0	37.4	29.2	27.8	30.8
November...	127.7	141.7	155.8	196.3	138.3	191.2	198.7	25.9	27.6	29.9	34.4	26.1	27.4	28.3
December...	166.2	203.7	190.6	237.0	173.4	247.9	220.7	31.1	36.1	33.5	38.4	30.5	32.3	29.7
Total....	2,847.8	3,278.6	3,483.2	3,708.2	3,654.4	3,352.2	3,907.1	40.1	43.4	44.9	45.6	44.7	39.2	39.0

1/ Market Administrator's Bulletin (6).

Table 2.--Utilization of Class III milk: New York-New Jersey market, 1952-58 1/

Product	Million pounds (milk equivalent)							Percentage of Class III milk						
	1952	1953	1954	1955	1956	1957 2/	1958	1952	1953	1954	1955	1956	1957	1958
Cream	1,023	1,033	999	1,073	1,094	1,108	1,056	36.0	31.6	28.8	29.0	30.0	33.1	27.1
Homogenized mixes	453	558	593	642	601	571	529	16.0	17.1	17.1	17.4	16.5	17.0	13.5
Cheddar cheese	318	229	324	341	291	226	307	11.2	9.1	9.3	9.2	8.0	6.7	7.9
Butter	308	643	703	704	587	314	605	10.9	19.7	20.2	19.0	16.1	9.4	15.5
Plain condensed whole	201	212	230	255	307	310	414	7.1	6.5	6.6	6.9	8.4	9.3	10.5
Whole milk powder	127	147	179	216	227	192	150	4.5	4.5	5.2	5.8	6.2	5.7	3.9
Milk chocolate	104	107	77	88	148	177	191	3.7	3.3	3.2	2.4	4.0	5.3	4.9
Cream cheese 3/	96	111	135	116	115)	292	381	3.4	3.4	3.9	3.1	3.1)	8.7	9.8
Other cheese	86	96	104	124	135)			3.0	2.9	3.0	3.4	3.7)		
Evaporated milk	81	39	105	111	108	105	198	2.8	1.2	3.0	3.0	3.0	3.1	5.1
Other 4/	41	25	25	28	37	56	72	1.4	.7	.7	.8	1.0	1.7	1.8
Total	2,838	3,270	3,474	3,698	3,650	3,351	3,903	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1/ Market Administrator's Bulletin (6).

2/ On August 1, 1957, the marketing area was enlarged. Therefore, the absolute figures for 1957 are not exactly comparable to the previous years but the percentages are still useful as indicators of relative importance.

3/ Cream cheese and other cheese were not reported separately by the market administrator in 1957.

4/ Includes sweetened condensed and other Class III. Milk drinks to other areas have not been included.

Table 3.--Utilization of skim milk for manufacturing in New York State, 1952-57 1/

Product	1952	1953	1954	1955	1956	1957
	Million pounds of skim milk					
Nonfat dry milk	1,239	1,676	1,818	1,853	1,737	1,418
Cottage cheese	360	378	393	422	458	469
Condensed skim	298	285	288	346	337	345
Other cheese	153	146	145	147	144	146
Casein	118	123	109	74	65	66
Other products	14	17	14	14	14	15
Total	2,182	2,626	2,768	2,857	2,756	2,459
	Percentage of skim milk					
	1952	1953	1954	1955	1956	1957
Nonfat dry milk	56.8	63.8	65.7	64.9	63.1	57.7
Cottage cheese	16.5	14.4	14.2	14.8	16.6	19.1
Condensed skim	13.7	10.9	10.4	12.1	12.2	14.0
Other cheese	7.0	5.6	5.2	5.1	5.2	5.9
Casein	5.4	4.7	4.0	2.6	2.4	2.7
Other products	0.6	0.6	0.5	0.5	0.5	0.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

1/ Statistics Relative to the Dairy Industry in New York State, table 22 (7).

The actual yield of manufactured dairy products from raw milk depends on: (a) The quantities of fat and solids-not-fat in the raw milk; (b) the specifications for the products; and (c) the losses in processing--both of total solids and of final product. That is, given the specifications for the products and the loss factor, the quantities of various products that can be manufactured from a given amount of raw milk depend on the fat and the nonfat solids content of the raw milk.

For most of the manufactured dairy products being considered, standards for fat, solids-not-fat, and moisture have been established by Federal and State Government laws or regulations. The only products for which legal standards were not available were ice cream mix and condensed skim milk. For these two products, specifications consistent with the type most commonly sold in this milkshed were used. For ice cream they were: 12.5 percent fat, 10.0 percent solids-not-fat, 15 percent sugar, and 0.4 percent gelatin. Condensed skim milk was considered to contain 30 percent or more total milk solids (primarily milk solids-not-fat). The small amounts of fat present are not commercially significant.

The specifications used in calculating yields of all the products being considered in this report are listed in table 4. Relationships determined for yields of cream, butter, powder, and Cheddar cheese from unstandardized milk by Hassler have been accepted in this report without modification (2, pp. 324-328). Similar relationships were computed for the remaining products--ice cream mix, condensed skim milk, and cottage cheese--following closely the procedures used by Hassler. Relationships for calculating yields of all the products appear in table 5. Yields based on the annual average fat content of milk are shown in appendix tables 9 and 10, pp. 42, 43. The hypothetical yields are based on an average butterfat content of 3.61, which was the average test of milk received at all plants in New York State, whereas the actual yields may reflect variations in butterfat test among different products.

PRICES OF PRODUCTS

The "gross value" of the dairy products from a hundred pounds of milk is, of course, determined by the quantity of product available and the price the manufacturer receives. Prices received for manufactured dairy products were obtained from three sources: (1) Records of firms engaged in buying and selling manufactured dairy products, (2) reports of the U. S. Department of Agriculture Market News Service, and (3) "Producers' Price Current," published by the Urner-Barry Publishing Company. Where price reports of the Market News Service or from "Producers' Price Current" were appropriate, these were adopted for present purposes. Such price series were available for butter, cheese, and nonfat dry milk. But prices have not been reported for many important products of Class III milk. These products include cream, cottage cheese, and ice cream mixes. Also, the prices reported for condensed skim milk were not considered by the industry to be representative for sales by plants in New York. For these latter products, therefore, it was necessary to go to the dairy industry to obtain the necessary price data. The procedures used in compiling all the necessary price series are discussed in the following paragraphs.

Table 4.--Specifications used for calculating expected yields of specified manufactured dairy products

Product	Specifications				
	Fat	Nonfat solids	Moisture 1/	Net weight	Special
	Percent	Percent	Percent	Pounds	
Butter, pound	80.5	1.0	18.5	1.0	2/
Cream, 40-quart can	40.0	5.6	55.4	83.7	2/
Cheddar cheese, single daisy 3/	31.5	31.5	37.0	22.0	2/
Ice cream mix, 40-quart can	12.5	10.0	2/	91.0	15 percent sugar, 0.4 percent gelatin
Nonfat dry milk, pound	1.25	93.75	5.0	1.0	2/
Condensed skim, 40-quart can	2/	2/	2/	93.0	30 percent or more total milk solids
Creamed cottage cheese pound	4.0	21.0	75.0	1.0	2/

1/ The moisture contents for butter, Cheddar cheese, and cottage cheese are less than the maximum legal limits.

2/ Not specified.

3/ A single daisy, also called picnic, is a style of Cheddar cheese, 12-14 inches in diameter, 3½-4½ inches in height, weighing about 18-24 pounds.

Butter

Daily prices for several grades of butter in New York City are reported both by "Producers' Price Current" and the Market News Service. The factors that affect butter prices, as well as the difficulties involved in determining a reliable price report, have been considered by others and will not be treated here (4, 5). For the purposes of this analysis the reports made by the Market News Service were used. These reports normally give a range of prices for each market day. The midpoints of these daily ranges are used to obtain simple monthly averages which are published regularly by the Market News Service.

Cheddar Cheese

The cheese prices used in this report were those reported by Market News Service. Reliable price information on Cheddar cheese is difficult to obtain because cheese prices vary according to moisture content, type of package, and amount of aging. According to a representative of the Market News Service, cheese prices at New York City are for the best grade of Cheddar cheese and usually include some premium for low moisture content. There is, however, no

Table 5.--Relationships for calculating yields of specified manufactured dairy products 1/

Cream operations:

(1) Cream and nonfat dry milk
$Q_{40} = 2.5063F - 0.2506$
$Q_{ns} = 7.3026 + 0.2307F$

(2) Cream and condensed skim milk
$Q_{40} = 2.5063F - 0.2506$
$Q_{cs} = 23.4710 + 0.8401F$

(3) Cream and creamed cottage cheese
$Q_{40} = 2.4608F - 1.4228$
$Q_{cc} = 13.0598 + 0.5060F$

Butter operations:

(1) Butter and nonfat dry milk
$Q_b = 1.2267F - 0.1227$
$Q_{ns} = 7.1703 + 0.3975F$

(2) Butter and condensed skim milk
$Q_b = 1.2267 - 0.1227$
$Q_{cs} = 23.4710 + 0.8401F$

(3) Butter and creamed cottage cheese
$Q_b = 1.2045F - 0.6968$
$Q_{cc} = 13.0598 + 0.5060F$

Ice cream mix operations:

(1) Ice cream mix and nonfat dry milk
$Q_{icm} = 6.8030F - 0.6800$
$Q_{ns} = 7.3309 - 0.4404F$

(2) Ice cream mix and condensed skim milk
$Q_{icm} = 6.8030F - 0.6800$
$Q_{cs} = 23.7485 - 1.4684F$

(3) Ice cream mix and cottage cheese
$Q_{icm} = 7.0206F - 4.3003$
$Q_{cc} = 14.8700 - 0.8930F$

Cheddar cheese operations:

$Q_c = 2.2556F + 1.4000$
$Q_{b\text{-}wh} = 0.0887F - 0.1083$

1/ Q_{40} - represents the pounds of 40 percent cream.
Q_{ns} - the pounds of nonfat dry milk.
Q_{cs} - the pounds of condensed skim milk.
Q_{cc} - the pounds of cottage cheese.
Q_c - the pounds of American Cheddar cheese.
Q_b - the pounds of butter.
Q_{imc}- the pounds of ice cream mix (according to the specifications set forth in table 4) that can be produced from a hundred pounds of milk of F percent fat content.
$Q_{b\text{-}wh}$ - the pounds of butter from whey.

Table 6.--Cheese: Difference between price per pound of single daisies in New York and Cheddars at Wisconsin cheese exchange, 1948-57 1/

Year	Average difference	Range in monthly differences: Low difference	Range in monthly differences: High difference
	Cents	Cents	Cents
1948	6.9	5.4	7.5
1949	6.8	6.0	8.3
1950	5.8	5.5	6.4
1951	7.3	6.0	8.1
1952	6.9	5.8	8.1
1953	6.6	6.0	7.3
1954	6.5	5.8	7.8
1955	6.8	6.3	7.5
1956	5.6	4.8	6.9
1957	6.2	5.3	7.5
Average for 10 years	6.5	2/5.7	2/7.5

1/ Computed from USDA Market News data (9).
2/ Average of the low and the high ranges for the 10 years.

indication of the amount of this premium. These cheese prices are obtained from wholesalers, but also include some prices for sales direct to retailers.

In discussing prices received for cheese produced in New York State, manufacturers often said that New York State cheese commands a differential of 5 to 7 cents per pound over prices at which transactions take place on the Wisconsin cheese exchange. During the period 1948-57, annual average prices reported by the Market News Service for single daisies in New York City ranged from 5.6 to 7.3 cents above the prices for Cheddars on the Wisconsin cheese exchange (table 6). 4/ The New York cheese price averaged 6.5 cents above Wisconsin in this period. The average for the low months in the 10-year period was 5.7 cents, while the average for the high months was 7.5 cents. The Market News reports of Cheddar cheese prices at New York City, therefore, appear to reflect satisfactorily the prices that New York State cheese manufacturers could have expected to receive during 1948-47.

Nonfat Dry Milk

Prices for both roller and spray-process nonfat dry milk are reported by both the Market News Service and "Producers' Price Current." Over recent years, the prices from "Producers' Price Current" tended to average somewhat lower

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4/ A Cheddar is a style of Cheddar cheese 13½-15 inches in diameter and 10-12 inches in height, weighing 40-50 pounds.

than those of the Market News Service. There has been considerable discussion in the New York milkshed concerning which of these two series more accurately represents the prices actually received by manufacturers in this area. Most of the opinions expressed by members of the dairy industry seemed to favor the reports of "Producers' Price Current," primarily on the grounds that this series reflects normal trade discounts whereas the Market News Service reports do not. On this basis, the averages of the daily midpoints of ranges reported by "Producers' Price Current" for dry skim milk, spray-process, for human consumption, other brands, carlots, bags, or barrels, at New York City, were used to represent the value of nonfat dry milk (Appendix table 11, p. 43).

"Spot" Milk

Normally, milk coming into New York City for fluid purposes is sold on the basis of annual contracts. Occasionally, and in particular when fluid milk supplies are low, milk is shipped to city milk pasteurizing and distribution plants intermittently without a contract, including some from manufacturing plants. Milk sold under these circumstances is commonly termed "spot" milk. The prices charged for this milk consist of the Class I price established by the milk marketing order plus a "handling charge." The amount of the handling charge is negotiated between the buyer and the seller. This charge presumably covers the costs incurred by the seller for receiving the milk from producers, for weighing and testing, and for cooling, as well as other services that may be performed. In addition, if the spot milk is shipped from a manufacturing plant, the handling charge presumably includes an allowance for whatever net profit would have been made if the milk had not been diverted from manufacturing uses.

A series of spot milk prices for 1948 through 1957 had been compiled by Dr. E. E. Vial (10, p. 14). This price series was quoted on the basis of cans containing 85 pounds of milk delivered to New York City. No consideration is given to the butterfat composition of spot milk. The data from which this price series was obtained came from two sources. For 1948 through 1950, spot milk prices were supplied by brokers. During 1951 through 1957 the Market News Service reported spot milk prices, and Dr. Vial used these in the series with the single exception of July 1952, where he again used brokers' prices. These prices per can were converted to equivalent prices per hundredweight for comparison with other product margins (Appendix table 43, pp. 100-102).

Class III Cream

Cream produced from Class III milk is used for a variety of purposes. These include sales to dealers as fluid cream for sale in certain markets for which the order does not require classification in Class II, and to ice cream manufacturers, cream cheese manufacturers, candy makers, and bakers. [5]

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[5] Fluid cream sales can be made from milk designated as Class III in all parts of the marketing area except the City of New York and the counties of Nassau, Suffolk (except Fishers Island), and Westchester. Sales of cream to New England markets as well as to other areas outside the marketing area may also be made from Class III milk.

The only prices reported for cream for these uses is published by "Producers' Price Current" as "manufactured cream." This price series has been available only since September 1952. For earlier months prices were obtained directly from industry sources.

When the cream prices were obtained from handlers, an attempt was made to assure as much uniformity as possible. The prices collected referred to 40 percent cream, in cans, f.o.b. plant of origin. The purpose of this specification was to eliminate price differences that might be associated with differences in location and those relating to type of shipment--such as bulk tank shipments. In spite of this, however, there was a wide range in the prices received for Class III cream in each month (fig. 1). Neither the high price nor the low price was consistently reported by the same handler, and, therefore, neither of these series represents prices from any single source. The most striking feature of this chart is the width and variations in the range between high and low prices.

The data on prices of cream furnished by the industry included sales to ice cream manufacturers, to other manufacturers, such as cream cheese processors and to other dealers. There was a wider range in prices for sales to other dealers and manufacturers than for sales to ice cream manufacturers. The narrowing of the range of price variation for this latter series can be seen by comparing figure 2 with figure 1. The reduction in the difference between the high and low reported prices was particularly pronounced during the latter part of 1948 and the early months of 1949.

Before July 1948, the New York City Board of Health required that all milk and cream used in the manufacture of food products come from regularly inspected sources. This regulation restricted, for example, the use of fresh cream for ice cream manufacture to that supplied by pool milk sources. 6/ During the time the restriction on the use of fresh milk and cream for manufacture of food products was in effect, a "multiple price" arrangement was incorporated in the price structure for surplus milk in this market. Milk used for the manufacture of ice cream for sale in New York City constituted a separate price class--usually involving a premium of between 20 and 25 cents per hundredweight over the class price for milk used for ice cream for sale in markets outside of New York City. In the summer of 1948, the Board of Health rescinded the regulation. Milk and cream received in plants outside of the regularly inspected geographic area became acceptable for use in the manufacture of food products for the New York City market, provided the plant shipping the milk or cream received regular inspection from a sanitary inspection agency. Shortly following this action by the Board of Health (in April 1949) the multiple-class price system for surplus milk was discontinued, and a uniform class price established for all pool milk used for manufacturing purposes.

Even when the data for cream sales to ice cream manufacturers were considered alone, the existence of so much price variation presented a very real question concerning the meaning of a single price to represent returns to New York

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6/ On the other hand, manufacturers supplying ice cream to the New York market have always been able to use butter as a source of fat for ice cream, regardless of the origin of these butter supplies.

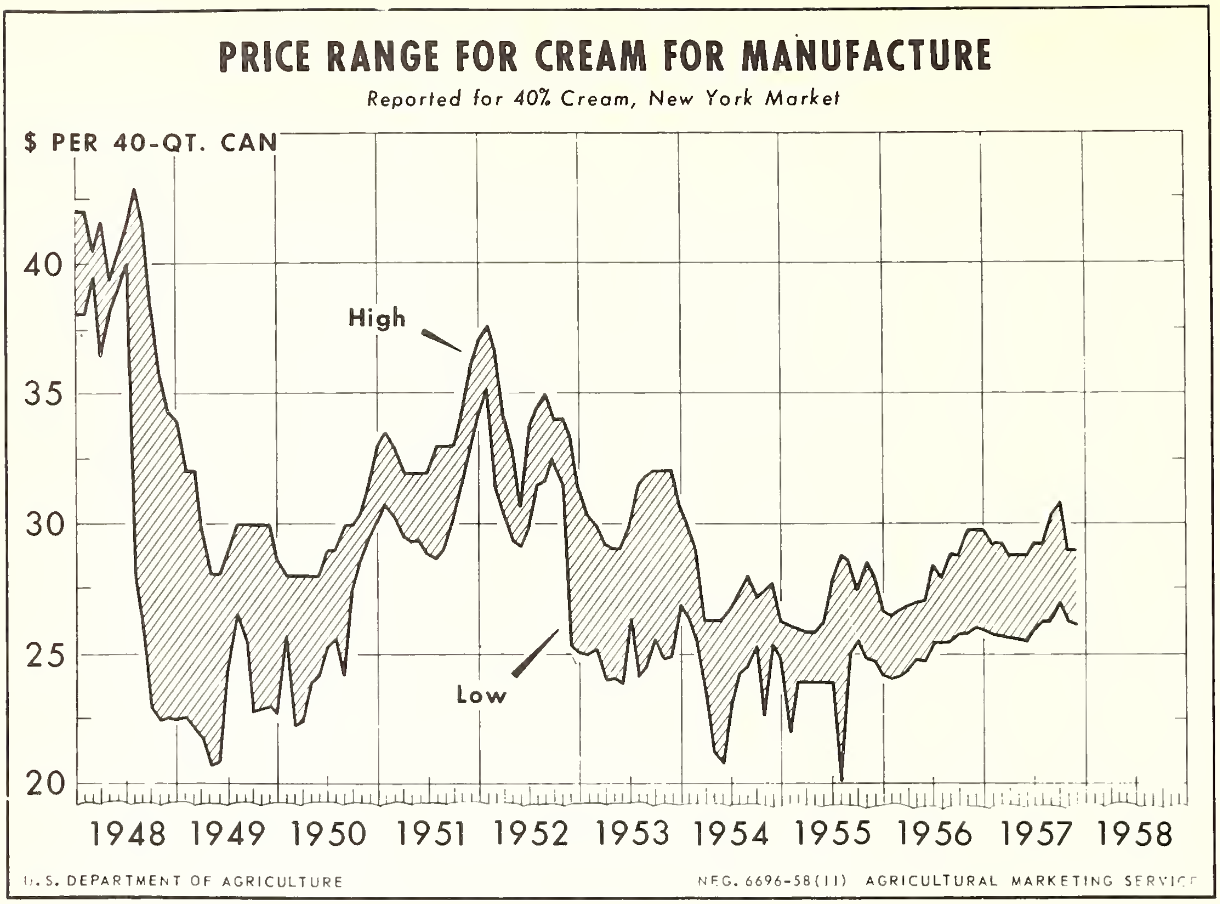

Figure 1

State plants selling cream. Nevertheless, a series of single prices was constructed for this study, using the following procedure: First, all of the available information concerning cream prices (to ice cream manufacturers) was plotted on charts similar to that shown in figure 2. A single point--intermediate between the high and low range--was selected on the basis of the "clustering" of intermediate price observations. This was then accepted as "the cream price" for that particular month, which in turn became the base month from which the cream prices for subsequent months were selected. Prices were selected for the subsequent months by paying particular attention to the direction and magnitude of the major number of price changes that occurred from the preceding month. This process was continued until a price had been obtained for each month in the 10-year period (Appendix table 12, p. 44).

Ice Cream Mix

There were no regularly published prices for ice cream mix for the New York market. Furthermore, only a limited amount of price information on this product was available from industry sources. Most of the large ice cream

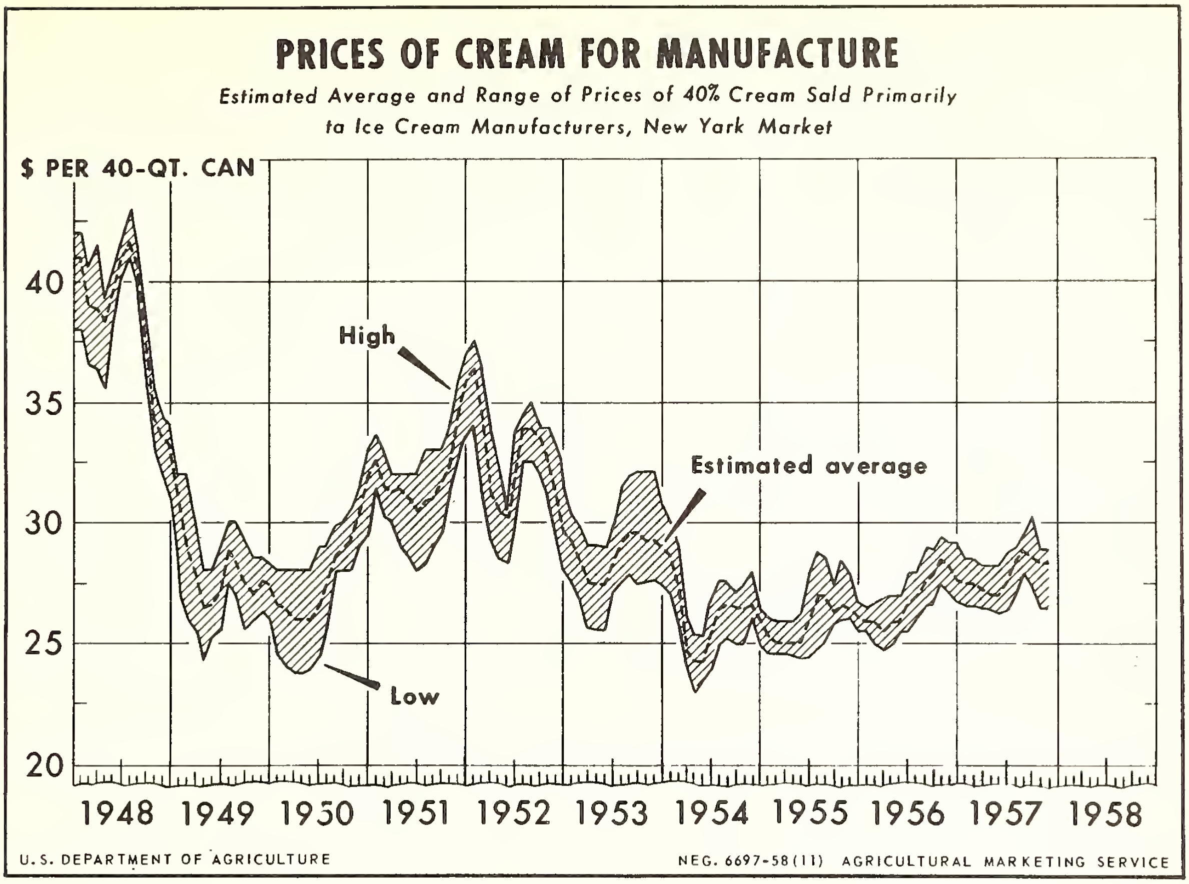

Figure 2

manufacturers in this area manufacture their own mix, and only a relatively few firms manufacture this product for sale to other concerns. 7/

The procedure used to estimate a monthly price series for ice cream mix for this analysis was similar to that previously described for the cream price series. It was necessary to estimate prices for some months where gaps occurred in the price information for a particular series. These estimates were made on the basis of trends and of relationships with alternative price series. The monthly series appears in Appendix table 13, p. 44.

Condensed Skim Milk

Prices for unsweetened condensed skim milk were reported in "Producers' Price Current" from January 1951 to December 1957. Since these did not cover

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7/ Ice cream mix was selected for the margins analysis instead of ice cream because the mix is, relatively, a more uniform product. The composition of ice cream can vary not only in the fat and nonfat solids content (as can ice cream mix) but also, and more importantly, in the degree of "overrun." The composition of ice cream can also vary in the quantities and types of stabilizer, flavorings, and other ingredients used.

the 10-year period of this analysis and, in addition, since members of the industry had questioned the reliability of this series, additional price data were obtained from industry sources. These prices, like those for cream and ice cream, showed a wide range.

The same procedure was used to establish a single series of monthly prices for condensed skim milk as that used for cream and ice cream mix (Appendix table 14, p. 45).

Cottage Cheese

None of the regular price reporting agencies published prices of cottage cheese. It was necessary, therefore, to obtain these data direct from cottage cheese manufacturers. These manufacturers sold both cottage cheese curd and creamed cottage cheese in packages which range in size from 8-ounce cartons to 50-pound tins. The prices used in this study were for creamed cottage cheese sold in bulk in either 30- or 50-pound tins. These sales were made mainly to other distributors who repackaged the product for sale under their own brand label, but included some sales to large institutional buyers. The price data furnished by different manufacturers of cottage cheese showed a marked similarity for the same time periods, in contrast with the wide ranges in prices of ice cream mix and condensed skim milk. Because of the high degree of similarity reported for prices of cottage cheese, a simple average of the prices was used (Appendix table 15, p. 45).

MARGINS

Margins were computed by subtracting costs of raw materials and an estimated cost of processing from the gross sales value of the final product. The resulting "partial" net margin covers certain marketing expenses not accounted for in the estimate of processing costs and includes the manufacturer's profit, if any. Costs of selling and some items of general administrative costs were among those omitted from the estimated costs. Expense for delivery from the plant to New York City would come out of the partial net margin for all products except cream and ice cream mix. Selling prices for these two products were f.o.b. plant.

Since manufacturers of dairy products use both the fat and the skim components of whole milk, two types of products are commonly manufactured as "joint products." Even a specialized dairy plant commonly produces a fat-containing and a skim-containing product. A plant producing any of the fat-containing products, namely, butter, cream, or ice cream mix, may utilize the resultant skim milk for nonfat dry milk, condensed skim milk, or cottage cheese. Once the combination of products has been determined, however, the quantities that can be obtained are "fixed" in proportions--depending upon the fat and the nonfat solids content of the raw milk, the amount of fat and nonfat solids required for a unit of product, and the losses of solids and product occurring in manufacturing.

The fact that these products are produced jointly presents a technical problem in determining the appropriate processing cost for individual products. By using accepted procedures it is possible to determine the costs associated with processing a given amount of milk in, for example, a cream-nonfat dry milk plant. Further, it is possible to segregate certain types of costs which are associated with one or the other of the final products. The cost of putting cream into 40-quart cans for shipment, for example, can appropriately be charged against the fat-containing product. In the same way, the costs incurred in operating the "spray box" used in dehydrating the nonfat solids can properly be charged against the powder operations. Certain other types of costs, however,--such as those incurred in the handling of whole milk until it passes through the separator--can be allocated between the resulting products only by using arbitrary procedures.

This need not complicate the problem considered here since it is possible, where two or more products are produced with technically fixed proportions, to consider partial net margins in terms of the total values of the fat- and skim-containing products. 8/ In this report, therefore, the margins presented, as well as the various factors which influence margins, will be discussed in terms of the quantities of the combined products available per hundredweight of milk processed.

Gross Value of Products

The yields of products and the prices described previously were used in calculating the returns or gross value that a dairy product manufacturer could expect to receive for the sale of his products.

The following sample calculation illustrates the procedures and data used:

1.	Yield of butter per hundred pounds of milk of 3.59 percent fat content, pounds	4.28	
2.	Price of butter per pound	$0.6045	
3.	Value of butter per hundredweight of milk (4.28 x $0.6045)		$2.59
4.	Yield of spray-process nonfat dry milk per hundred pounds of milk of 3.59 percent fat content, pounds	8.60	
5.	Price of nonfat dry milk per pound	$0.1650	
6.	Value of spray-process nonfat dry milk (8.60 x $0.1650)		1.42
7.	Total gross value of butter and nonfat dry milk Per hundred pounds of milk of 3.59 percent fat content		$4.01

8/ For a complete and detailed description of the treatment of joint production and joint costs, see Carlson (1, ch. 5).

Gross values were calculated for each of the 11 products or combinations of products by months for January 1948 to December 1957. In each instance, the calculations of yields were based on the average butterfat test of milk received in the New York-New Jersey milkshed for the particular period being considered. In the same manner, the prices utilized were those appropriate for the specific month under consideration.

The combination of products with the largest gross value was that which included ice cream mix for the fat-containing product and cottage cheese for the skim milk product (fig. 3).

There was considerable seasonal variation in the gross value of spot milk. 9/ This variation seems to directly reflect differences in the demand for milk diverted from manufacturing plants in the "flush" and "short" production seasons.

Cost of Raw Product

In this report, the term "raw-product cost" is defined as the cost to the processor for the "ingredients" used in manufacturing dairy products. For the products being considered, the only ingredients other than whole milk are the sugar and gelatin used in the manufacture of ice cream mix.

The costs of raw whole milk delivered to a manufacturing plant consist of (a) The price established for the appropriate class by the market administrator, adjusted for butterfat content and transportation differential; (b) the administrative assessment--the charge made by the New York-New Jersey Milk Market Administrator to cover the cost of administering the provisions of Order No. 27; and (c) the handling charge associated with milk received at the manufacturing plant from "feeder" plants.

Order 27 Prices for Milk Used in Manufactured Dairy Products

At the time of this study, the price for pool milk used for manufacturing the products under consideration was the designated Class III price. Where the Class III milk is being used for either butter or Cheddar and similar cheeses, a "butter-cheese adjustment" permits a specified deduction from the Class III price established by the Order.

In the early part of the 10-year period being analyzed (from January 1948 to April 1949), the order provided different prices for raw products for the various types of products manufactured. The classes and products in this earlier period which are of interest in this report are as follows: Class II-B,

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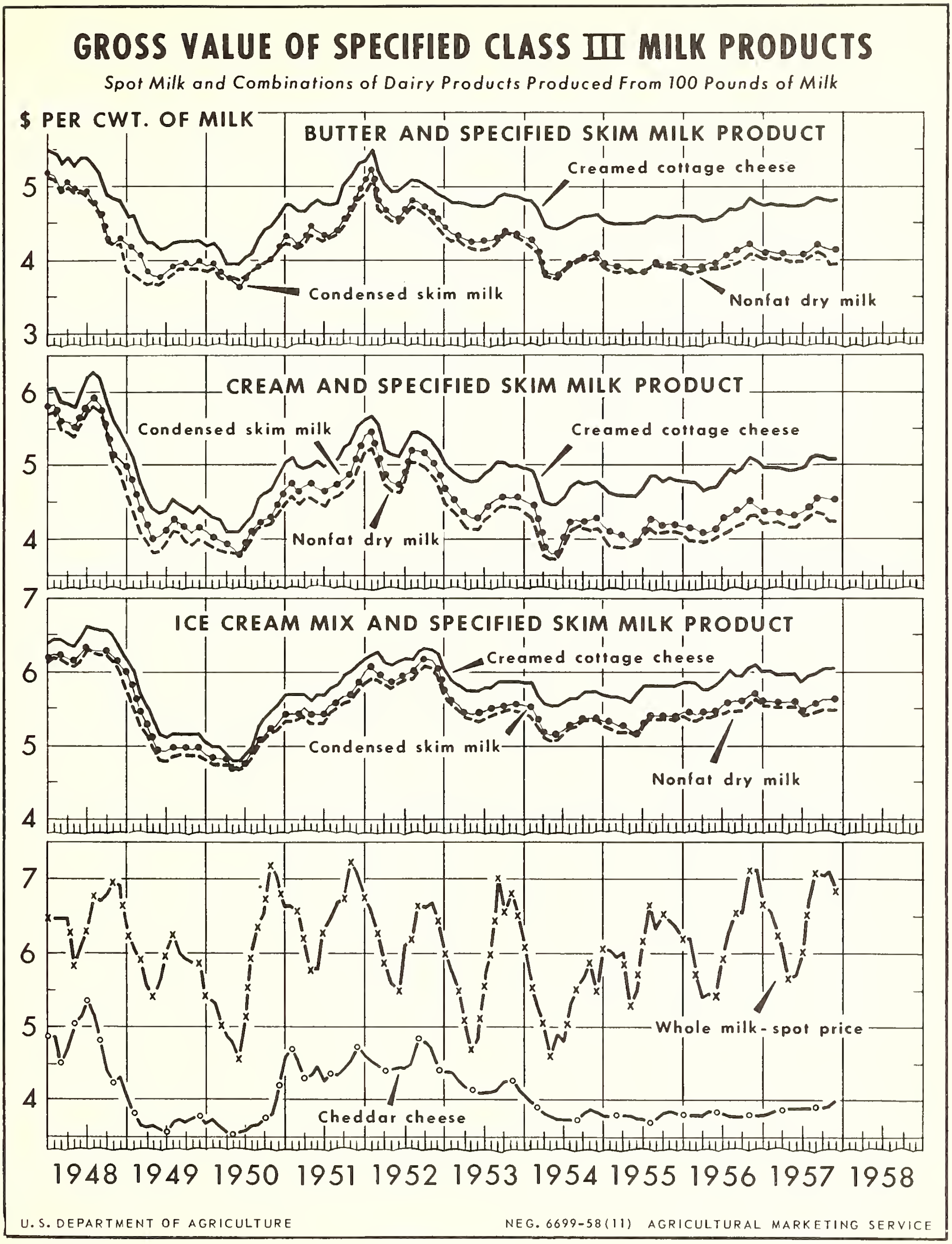
9/ These spot milk sales are made to distributors who use this milk for fluid sales and so the original handler must account for this milk at the higher Class I prices. This explains, in large part, the reason why the level of gross returns for spot milk is higher than for milk used in most manufactured products.



GROSS VALUE OF SPECIFIED CLASS III MILK PRODUCTS

Spot Milk and Combinations of Dairy Products Produced From 100 Pounds of Milk

BUTTER AND SPECIFIED SKIM MILK PRODUCT

CREAM AND SPECIFIED SKIM MILK PRODUCT

ICE CREAM MIX AND SPECIFIED SKIM MILK PRODUCT

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Figure 3

including plain condensed milk and frozen desserts and homogenized mixtures sold in New York City; Class II-E, frozen desserts and homogenized mixtures sold in New England; Class II-F, frozen desserts and homogenized mixtures sold in New York State (other than metropolitan New York City) and northern New Jersey; Class III, including evaporated milk, sweetened condensed milk, milk chocolate, milk powders, and cheese other than American, Cheddar, or cream cheese; Class IV-A, butter; Class IV-B, Cheddar cheese, American cheese, Colby cheese, washed curd cheese, and part skim Cheddar cheese. The prices prevailing for milk for manufacturing the products under consideration are shown in table 7, by months, for 1948 and 1949.

The appropriate price depends upon the fat content of the milk being received and the location (distance from New York City) of the pool plant which receives milk from producers. For present purposes it has been assumed that the butterfat content of the milk received at manufacturing plants is the same as the average butterfat content of all milk received in the pool for that particular month. The transportation differential used is for a plant in the 201- to 210-mile zone.

Administrative Assessments

The administrative assessment mentioned above varies between 1 and 2 cents per hundredweight of milk received by handlers. In the past, this assessment has usually been 2 cents during months of short supply and 1 cent during the surplus months.

These procedures for calculating costs of the raw product for combinations including cream are illustrated by the following sample calculation:

1. Average butterfat test of milk received from producers, percent	3.59	
2. Basic Class III price for 3.5 percent milk, 201- to 210-mile zone		$3.046
3. Butterfat differential for each 0.1 percent of butterfat above or below 3.5 percent	$0.071	
4. Value for additional butterfat (0.9 times butterfat differential of 7.1 cents), 6.4 cents		.064
5. Administrative assessment		.02
6. Total cost of raw product		$3.130

The results of such calculations are shown, by months, for the 10-year period January 1948 through December 1957, in Appendix tables 16 and 17, p. 46.

Table 7.--Prices, per hundredweight, for milk used in manufacturing products (3.5 percent fat, 201-210 mile zone) by class, New York-New Jersey market, by months, 1948-49

Year and month	Class II-B [1]	Class II-E [2]	Class II-F [3]	Class III [4]	Class IV-A [5]	Class IV-B [6]
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1948						
January	4.714	4.464	4.464	4.380	4.464	4.380
February	4.710	4.460	4.460	4.251	4.460	4.251
March	4.493	4.293	4.293	4.009	3.956	3.272
April	4.577	4.377	4.377	4.055	4.024	3.474
May	4.515	4.315	4.315	4.118	3.820	3.750
June	4.502	4.302	4.302	4.155	3.923	3.786
July	4.602	4.402	4.402	4.355	3.900	4.085
August	4.570	4.320	4.320	4.375	3.780	3.809
September	4.425	4.175	4.175	4.075	3.629	3.519
October	3.927	3.628	3.628	3.574	3.628	3.574
November	3.640	3.390	3.390	3.468	3.390	3.468
December	3.633	3.383	3.383	3.426	3.283	3.192
1949						
January	3.252	3.002	3.002	3.141	2.914	2.751
February	3.150	2.900	2.900	2.927	2.868	2.556
March	3.053	2.853	2.853	2.813	2.805	2.487
April	[7] 2.646				[7] 2.506	
May	2.672				2.532	
June	2.647				2.507	
July	2.693				2.553	
August	2.813				2.675	
September	2.843				2.703	
October	2.859				2.719	
November	2.860				2.720	
December	2.887				2.747	

[1] Ice cream sold in New York City.

[2] Fluid cream, plain condensed milk, frozen desserts, and homogenized mixtures delivered to a plant or purchaser in New England.

[3] Plain condensed milk sold in special cream area, frozen desserts or ice cream mix sold outside New York City (except those sold in New England), and cream cheese.

[4] Evaporated milk in hermetically sealed cans, milk chocolate and other candy products, milk powder and other concentrated milk products or cheeses (except cream cheese and Cheddar and Cheddar-type cheeses).

[5] Butter.

[6] Cheddar cheese, American Cheddar cheese, Colby cheese, washed curd cheese, and part-skim Cheddar cheese.

[7] All the classes shown were combined into Class III in April 1949. The price of milk used for butter and cheese was subject to a differential.

New York Market Administrator, Historical Summary, September 1938-December 1949.

For the combinations of products involving ice cream mix, butter, and Cheddar cheese, additional adjustments were required. In the ice cream mix operation, the raw-product cost includes the cost of the sugar and the gelatin. The quantities of sugar and gelatin required to make ice cream mix from a hundred pounds of milk were computed, and the costs associated with these quantities were calculated by applying appropriate unit prices (Appendix tables 18, 19, and 20, pp. 47-48). For milk used in butter and Cheddar cheese, the order has permitted specified deductions from the Class III price, which were used in calculating the raw-product cost for these products (Appendix table 17, p. 46).

Cost of Milk From Feeder Plants

Manufacturing plants in the New York-New Jersey milkshed ordinarily receive only a part of their milk supplies directly from producers. The rest of the milk used for manufacturing purposes arrives at the plant in bulk form from the feeder plants. 10/ On the average, about two-thirds of the total milk supply of manufacturing plants in this milkshed was handled through feeder plants. The costs associated with operating the feeder plant plus the cost of transporting the milk from the feeder plant to the manufacturing plant have been included as part of raw-product costs in this analysis of margins.

The amount of milk received from feeder plants varied from about 40 percent of total receipts at the manufacturing plant in November to 73 percent in June. Therefore, the proportion of the total cost shared by the feeder plant milk was based on the estimated percent that feeder plant milk represented of the total receipts each month.

The cost of transporting milk from a feeder plant to a manufacturing plant depends, of course, on the distance involved. Calculations based on information made available by the market administrator's office showed that the average distance for hauls from feeder plants to manufacturing plants was 47 miles for a group of pool plants in the New York-New Jersey milkshed. In 1957, the cost per hundredweight for hauling whole milk this distance was 16.75 cents (Appendix table 21, pp. 49-50). 11/

Processing Costs

The final item in this estimate of margins was the cost of processing the various types of manufactured dairy products. Since information of the type required was not available from other sources, one phase of the overall study involved the determination of processing costs for several products and combinations of products (8).

In brief, costs were determined at 1957 levels by synthesizing "model" plants. Three basic plants were so synthesized--a receiving station, a Cheddar cheese plant, and a complex cream-nonfat dry milk plant. The latter plant was

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10/ Plants receiving milk from producers and shipping bulk whole milk to manufacturing or processing plants.

11/ Based on rates published by the H. L. McBride Transportation Company.

subsequently modified to permit the calculation of processing costs for alternative combinations of products. The combinations included were cream and condensed skim milk, cream and cottage cheese, butter and nonfat dry milk, butter and condensed skim milk, butter and cottage cheese, ice cream mix and nonfat dry milk, ice cream mix and condensed skim milk, and ice cream mix and cottage cheese.

The results of these cost analyses for the various products and combinations of products (based on 1958 cost rates) were as follows:

Product	Cost per hundred pounds of milk processed
Spot milk	1/$0.166
Cheddar cheese	.735
Butter and nonfat dry milk	.628
Butter and condensed skim milk	.476
Butter and cottage cheese	.571
Cream and nonfat dry milk	.600
Cream and condensed skim milk	.447
Cream and cottage cheese	.564
Ice cream mix and nonfat dry milk	.605
Ice cream mix and condensed skim milk	.477
Ice cream mix and cottage cheese	.605

1/ Receiving station costs.

Estimates for processing costs for the earlier years of the 10-year period, 1948-57, were obtained by adjusting the 1957 estimates. Regularly reported price indexes were used to make these adjustments. For this adjustment the processing cost for each product was broken into various components, such as labor and equipment. Each of these cost components was then adjusted separately with an appropriate index. The itemized breakdown of costs adjusted by these indexes, by months from 1948 to 1957, appears in Appendix tables 22-32, pp. 51-72.

The index of labor costs was calculated from average hourly earnings of production and related workers in the manufactured dairy products industry in the United States reported by the U. S. Bureau of Labor Statistics.

Indexes of wholesale prices of building materials, metals and metal products, fuel, power, and lighting material, and pulp, paper, and allied products were those regularly published by the U. S. Bureau of Labor Statistics. For the index of costs of consumable supplies, the indexes of building materials, fuel, power, and lighting materials, and metals and metal products were combined with equal weights. Costs for packaging cheese were adjusted with an index composed of the indexes for cotton products and pulp, paper, and allied products weighted equally.

For each index, a weighted average for 1957 was calculated, weighting each month's index with receipts of milk at New York-New Jersey pool plants for the month as a percentage of total receipts for the year.

Calculations of Partial Net Margin

Partial net margins were computed for each product and combination of products, by months, for January 1948 through December 1957. These calculations involved, first, determining the gross value of the specified product or combinations of products for a given month. From this, the sum of the raw-product cost, the processing cost, and the cost of feeder plant milk was subtracted. The procedure is illustrated in the following summary of the examples given on pages 15, 18, and 21.

1.	Gross value of butter and nonfat dry milk...		$4.01
2.	Cost of raw product..........................	$3.02	
3.	Processing cost..............................	0.63	
4.	Cost of feeder plant milk....................	0.20	
5.	Total cost...................................		3.85
6.	Partial net margin...........................		$0.16

From the partial net margin of $0.16 per hundred pounds of milk processed it would be necessary to pay any selling and delivery costs which may have been incurred but were not accounted for in this analysis, plus such general administrative expenses as were not directly included in the estimate of processing costs. Any excess of the partial net margin over these costs would be net profit.

These estimates of partial net margins along with calculations of gross value of products and costs of raw product are shown graphically for the 11 products and combinations of products being considered in figures 4 through 14 (Appendix tables 33-43, pp. 73-102). Straight horizontal lines representing the simple average partial net margin for the 10-year period have been drawn through the monthly data as a standard for comparing changes in the level of margins. With the exception of 1948 and the early months of 1949, the partial net margins tended to remain relatively constant. In general, combinations of butter or manufacturing cream with either spray-process nonfat dry milk or condensed skim milk tended to provide comparable levels of partial net margins. Returns seem to have been somewhat higher for the combination of cream and condensed skim milk than, for example, for butter and nonfat dry milk.

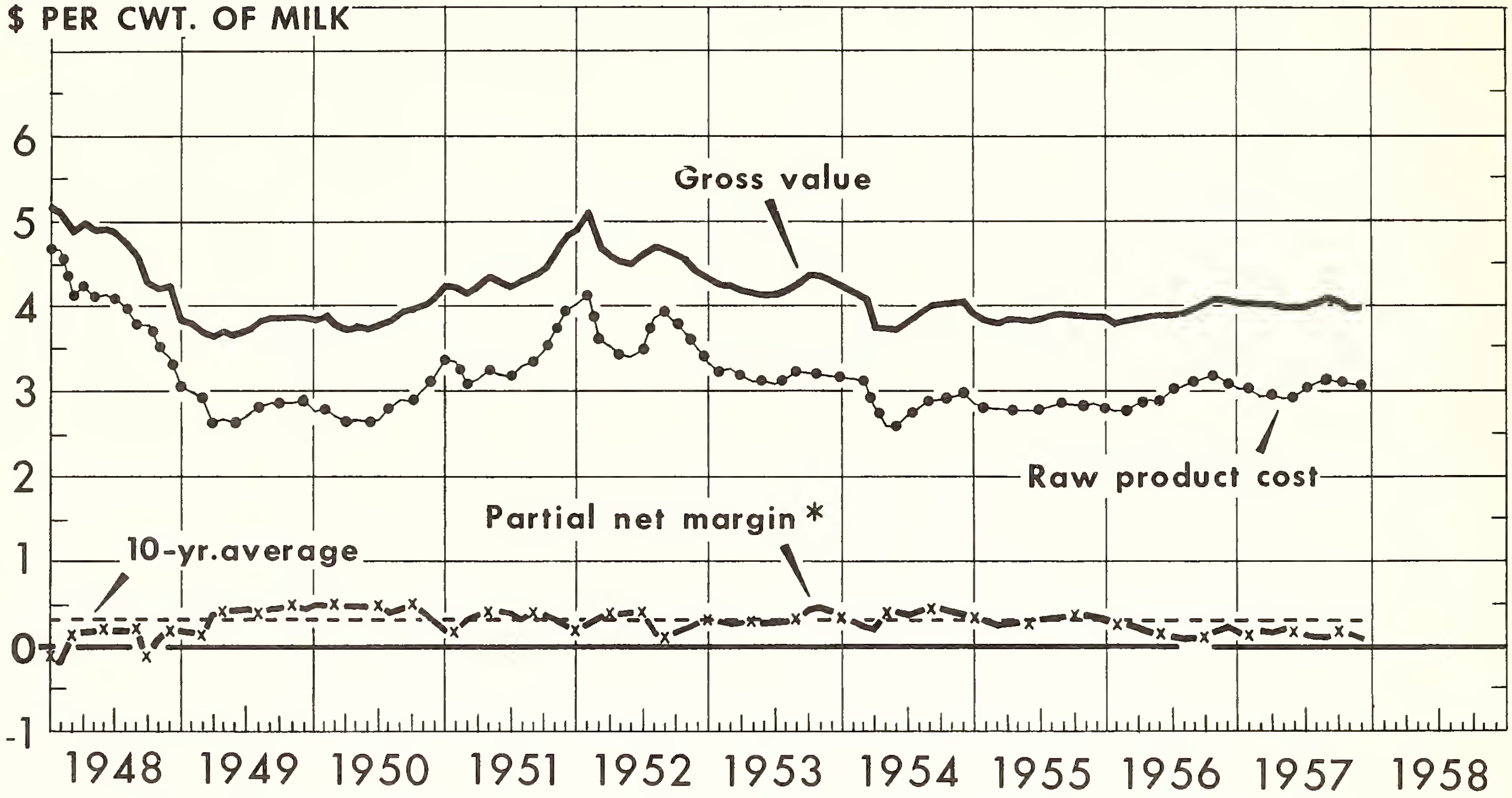
There was some tendency for the partial net margins for combinations involving nonfat dry milk to be lower during the last 2 years than during earlier years.

There is evidence that processors who made the skim component of their milk into cottage cheese had higher returns than those who made either nonfat dry milk or condensed skim milk. The partial net margins per hundred pounds of milk are approximately 50 cents higher for combinations with cottage cheese than for those with nonfat dry milk.

As indicated in figures 10 through 12, combinations with ice cream mix resulted in higher net margins than combinations with butter and cream (figs. 4 through 9). The most favorable combination, therefore, from the standpoint of returns to processors, was ice cream mix and cottage cheese.

BUTTER AND SPRAY PROCESS NONFAT DRY MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

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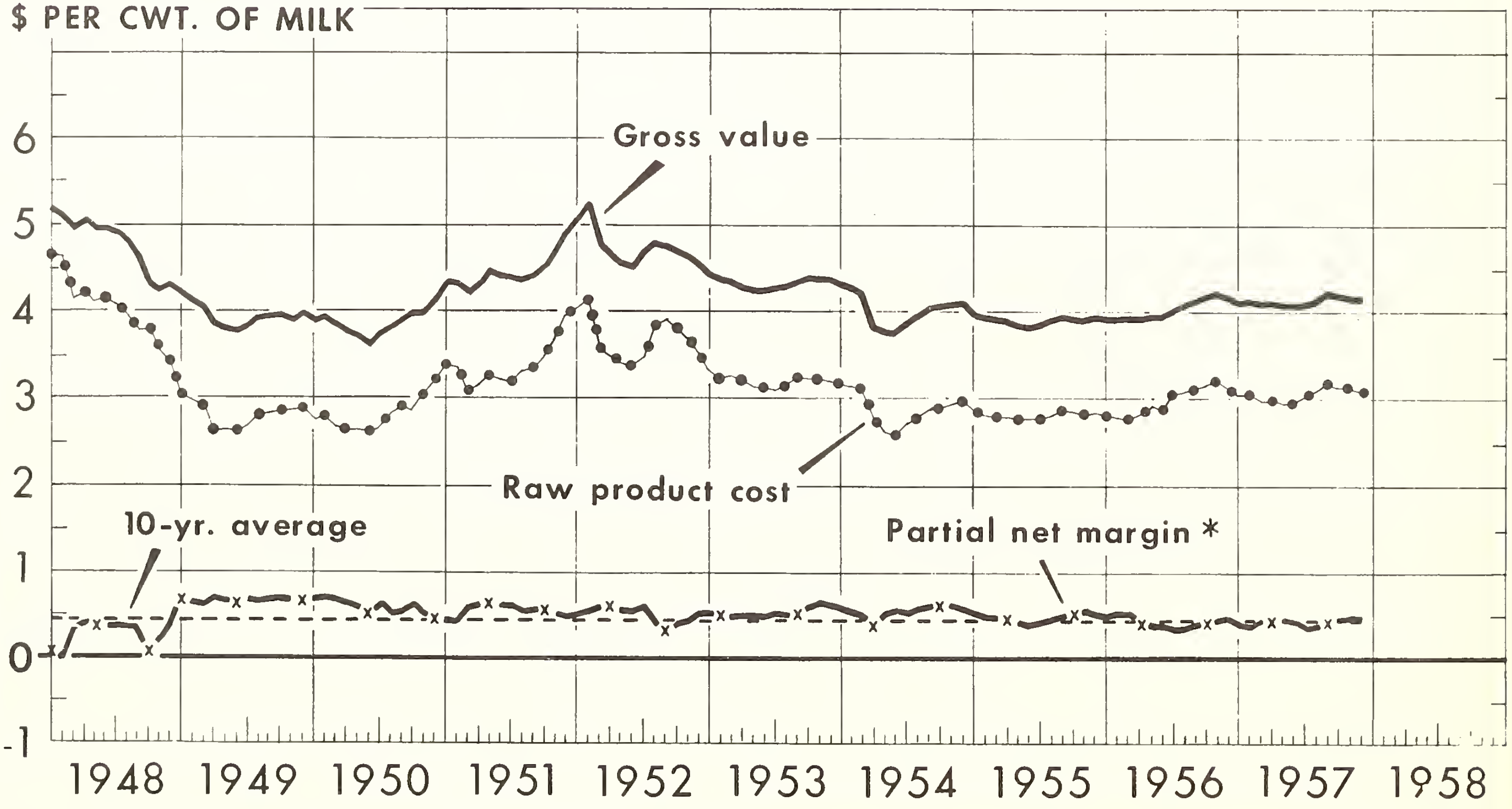
Figure 4

BUTTER AND CONDENSED SKIM MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

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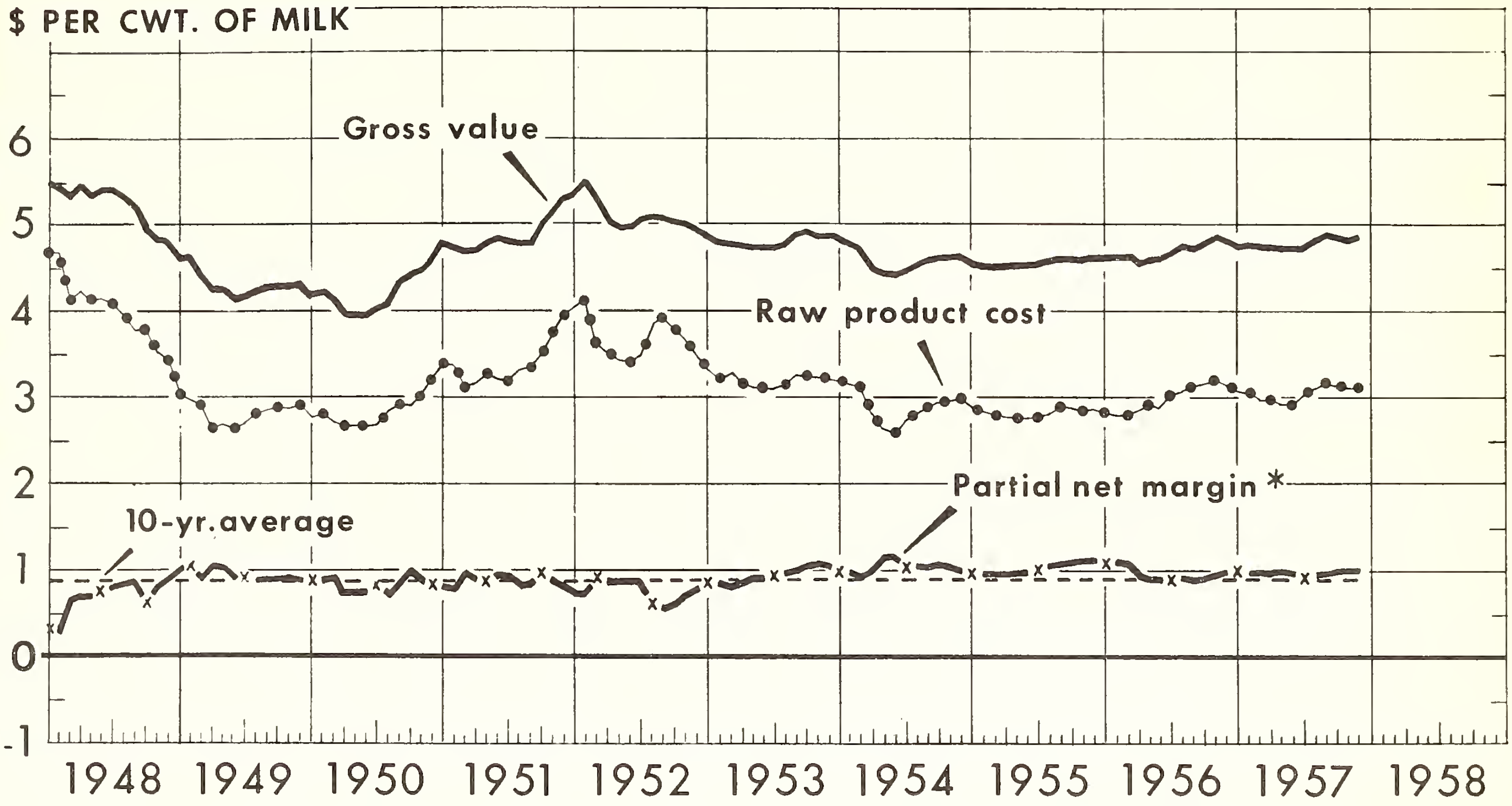
Figure 5

BUTTER AND CREAMED COTTAGE CHEESE

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

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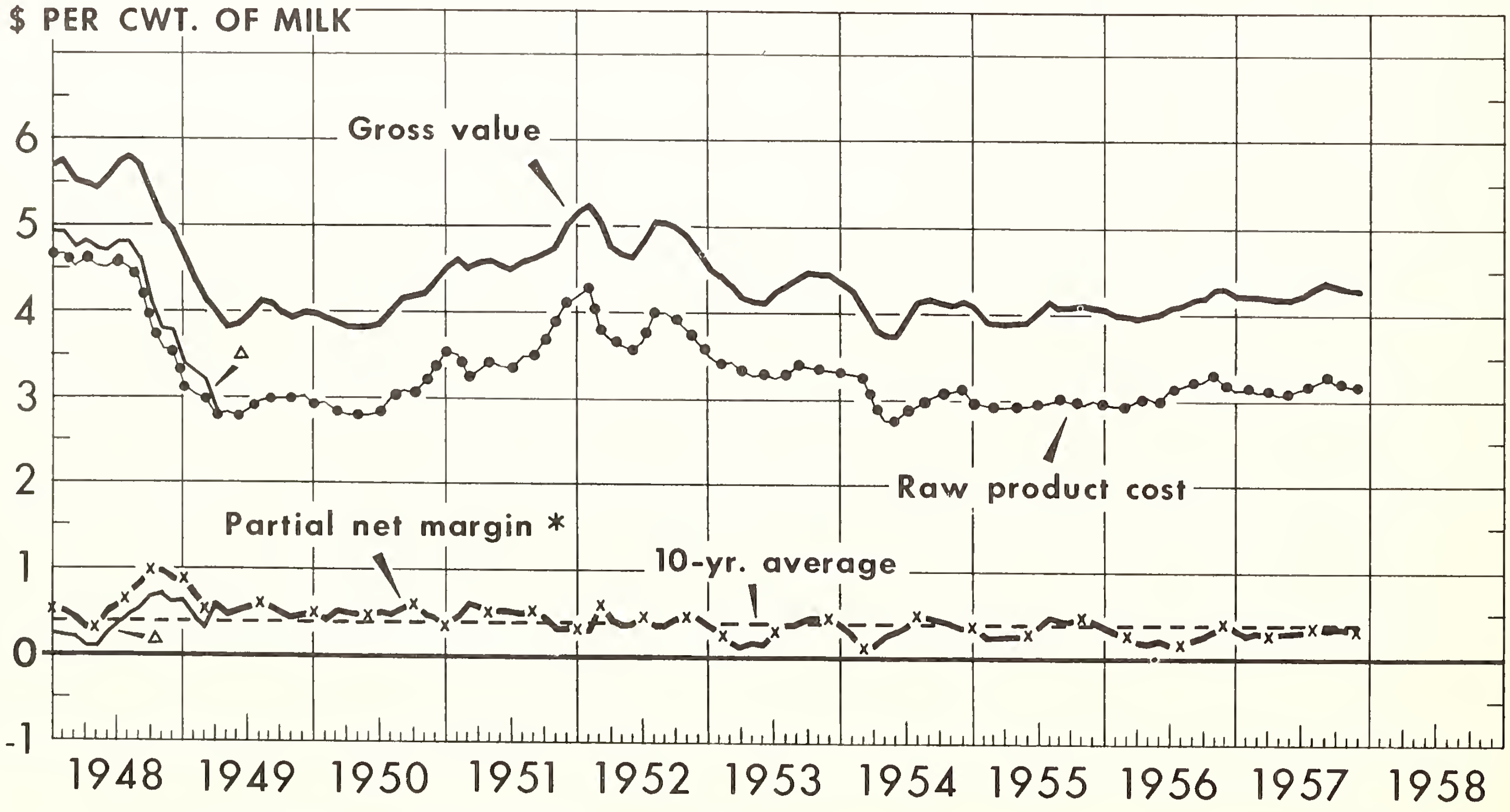
Figure 6

MANUFACTURING CREAM AND SPRAY PROCESS NONFAT DRY MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

△ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

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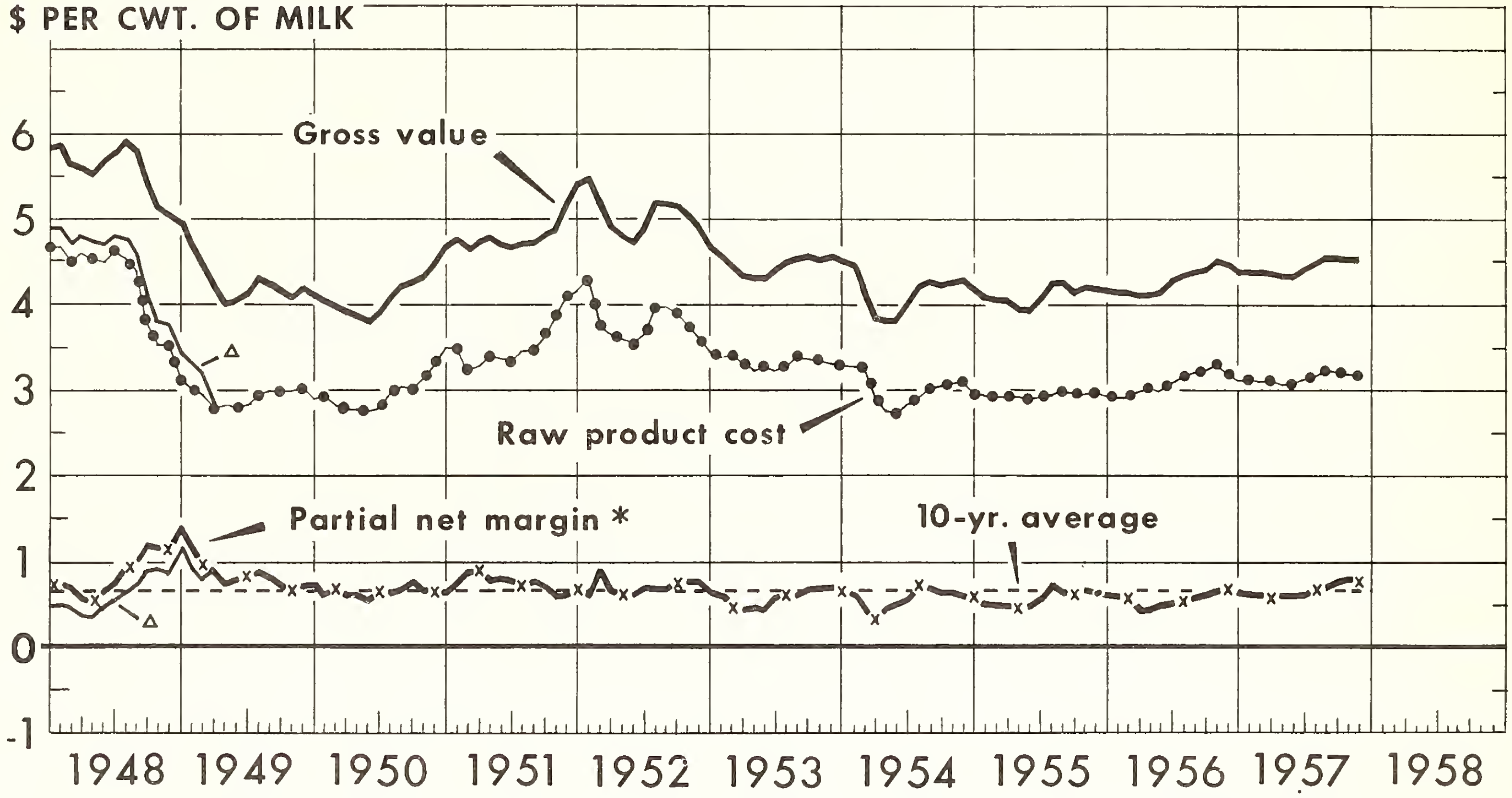
Figure 7

MANUFACTURING CREAM AND CONDENSED SKIM MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York - New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

Δ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

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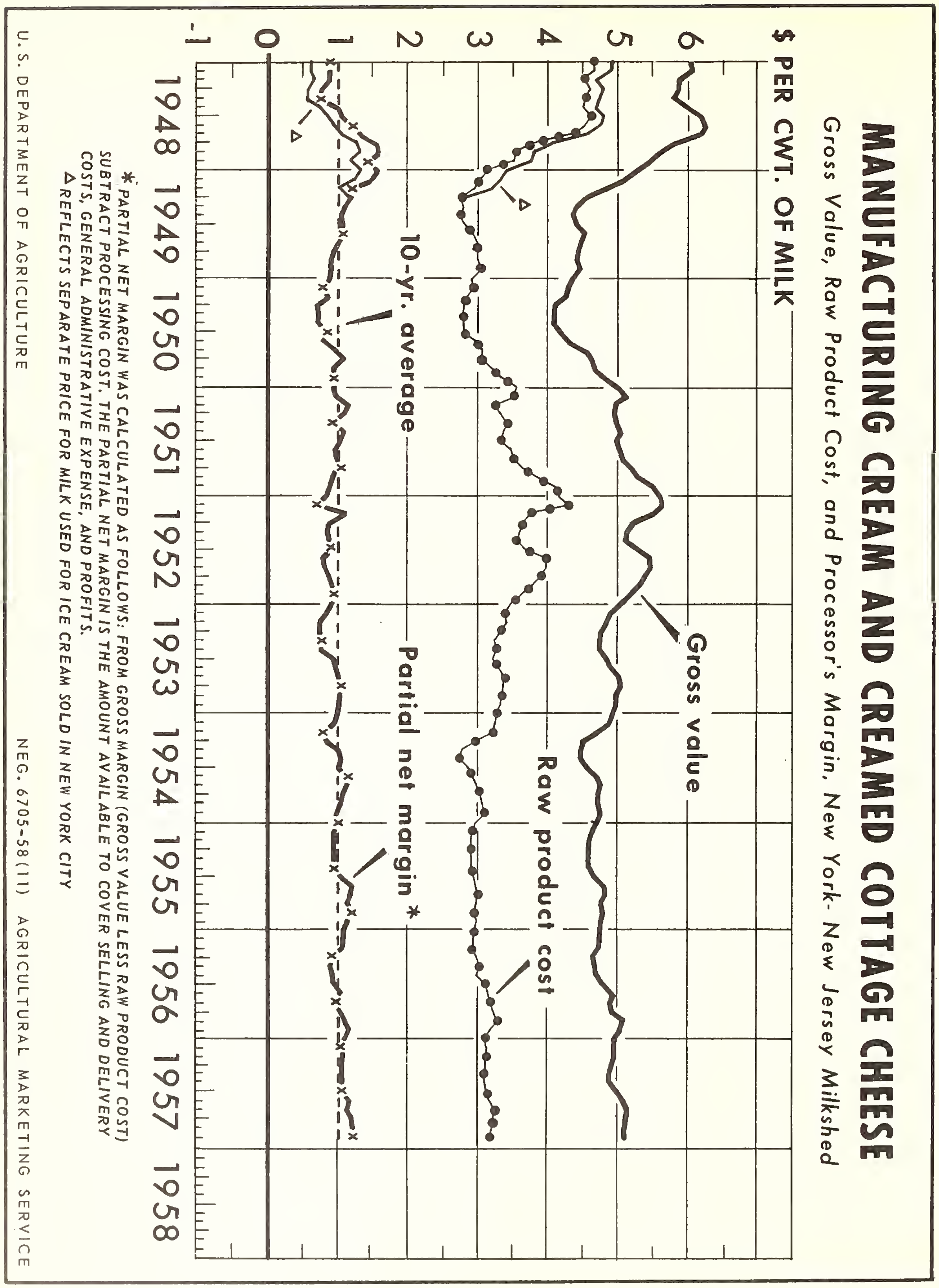
Figure 8

Figure 9



MANUFACTURING CREAM AND CREAMED COTTAGE CHEESE

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed

* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

Δ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

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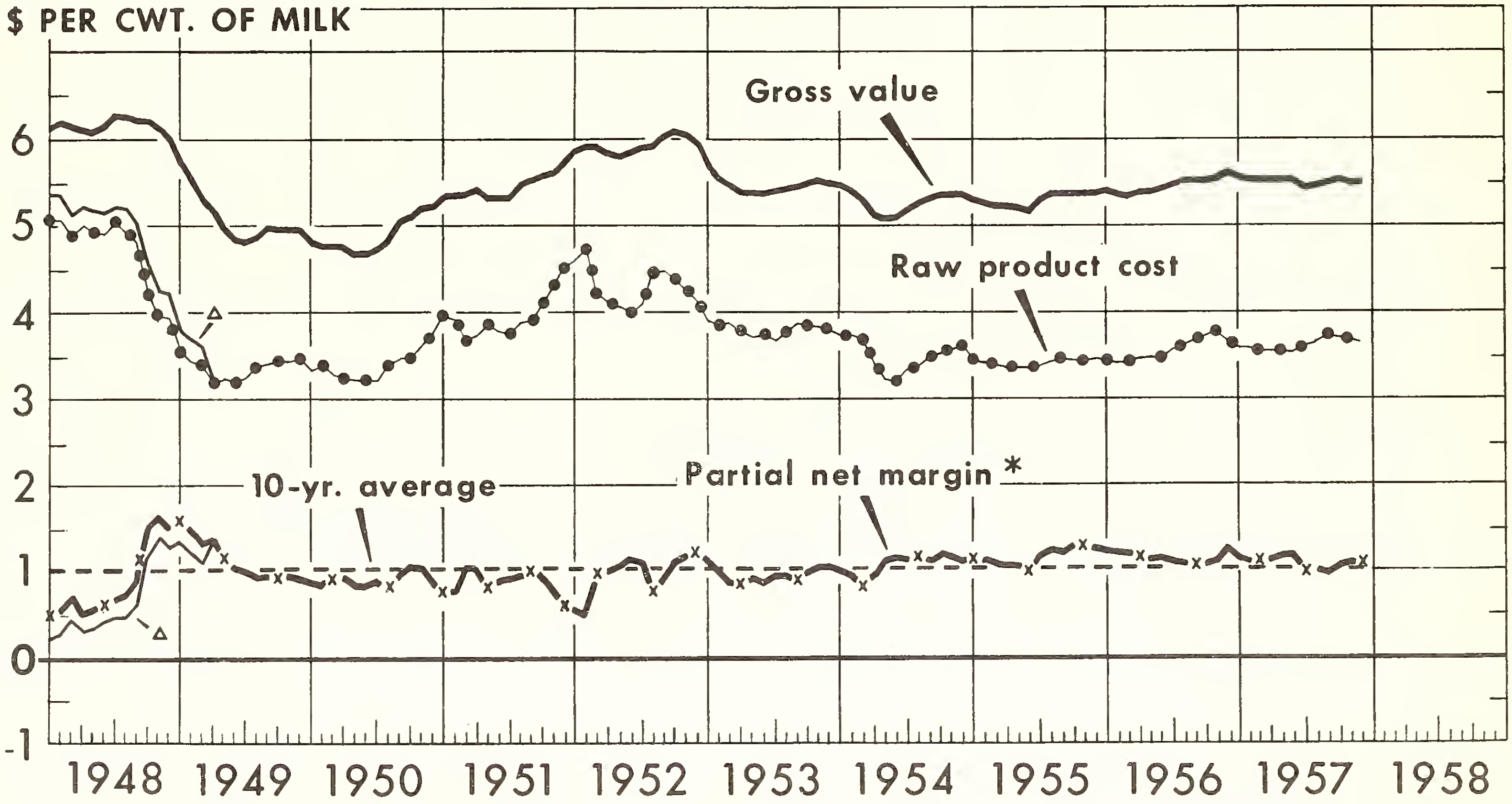
ICE CREAM MIX AND SPRAY PROCESS NONFAT DRY MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

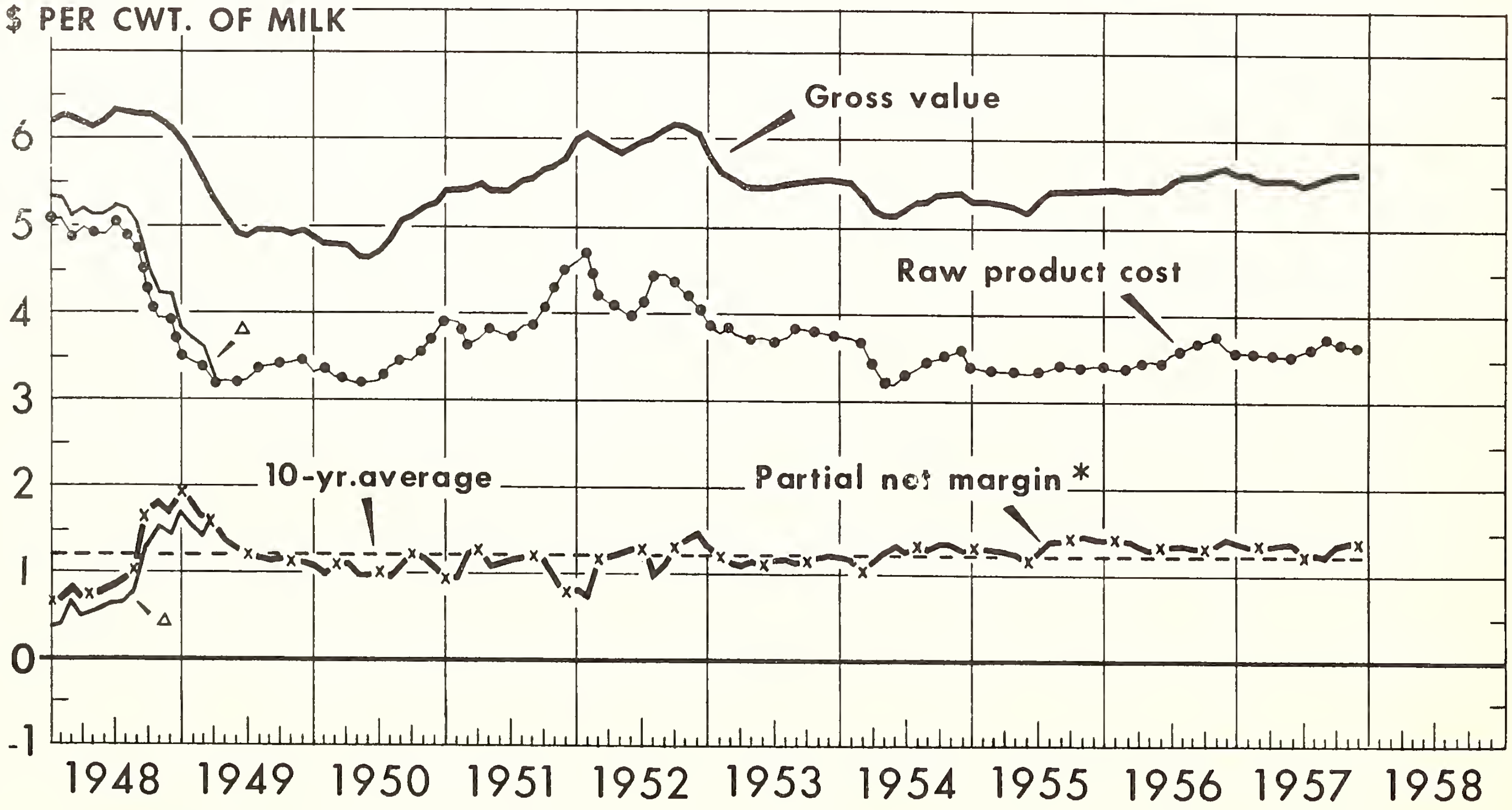
Δ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

U.S. DEPARTMENT OF AGRICULTURE NEG. 6706-58(11) AGRICULTURAL MARKETING SERVICE

Figure 10

ICE CREAM MIX AND CONDENSED SKIM MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

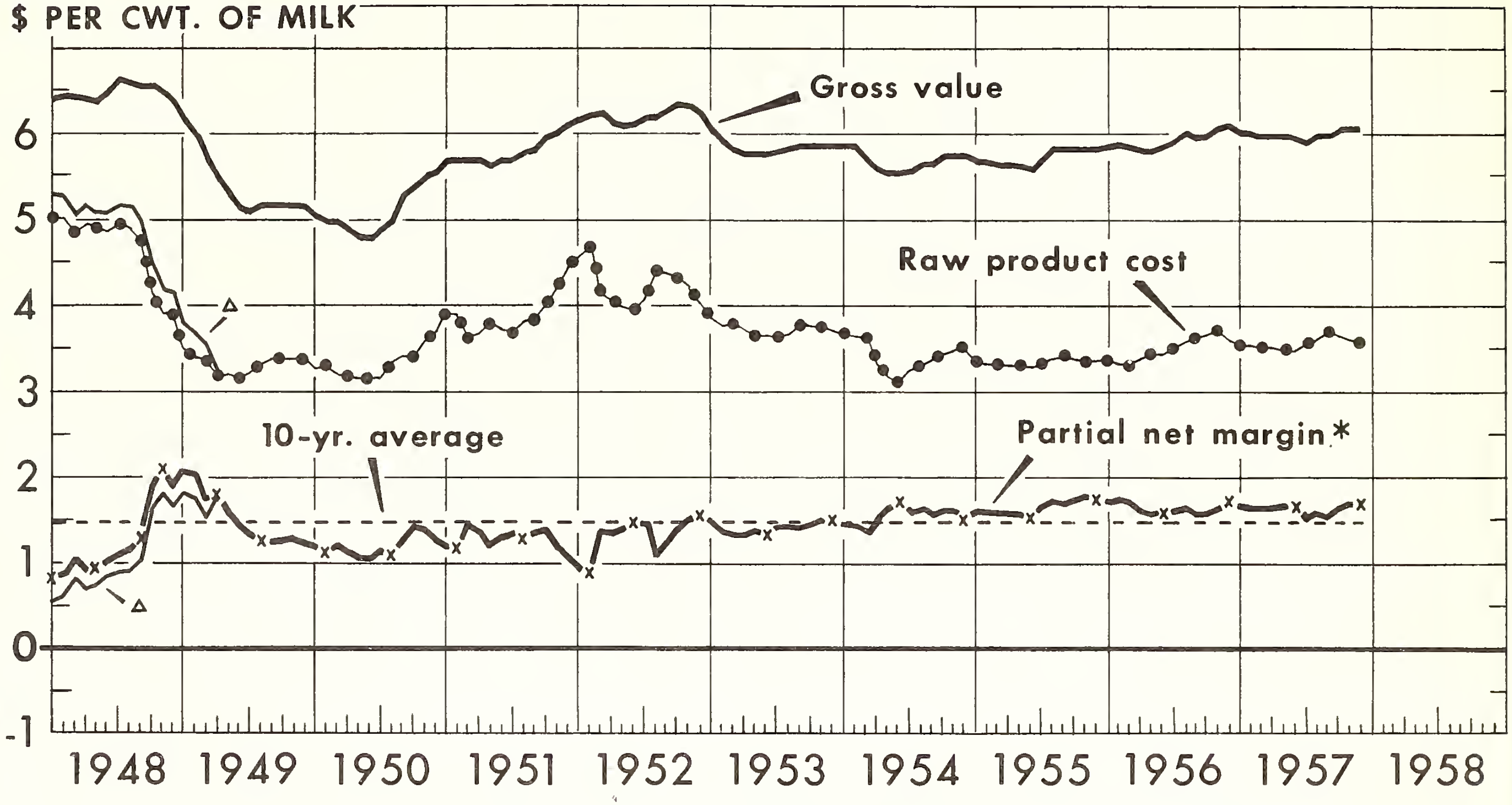
Δ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

U. S. DEPARTMENT OF AGRICULTURE NEG. 6707-58(11) AGRICULTURAL MARKETING SERVICE

Figure 11

ICE CREAM MIX AND CREAMED COTTAGE CHEESE

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed



PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

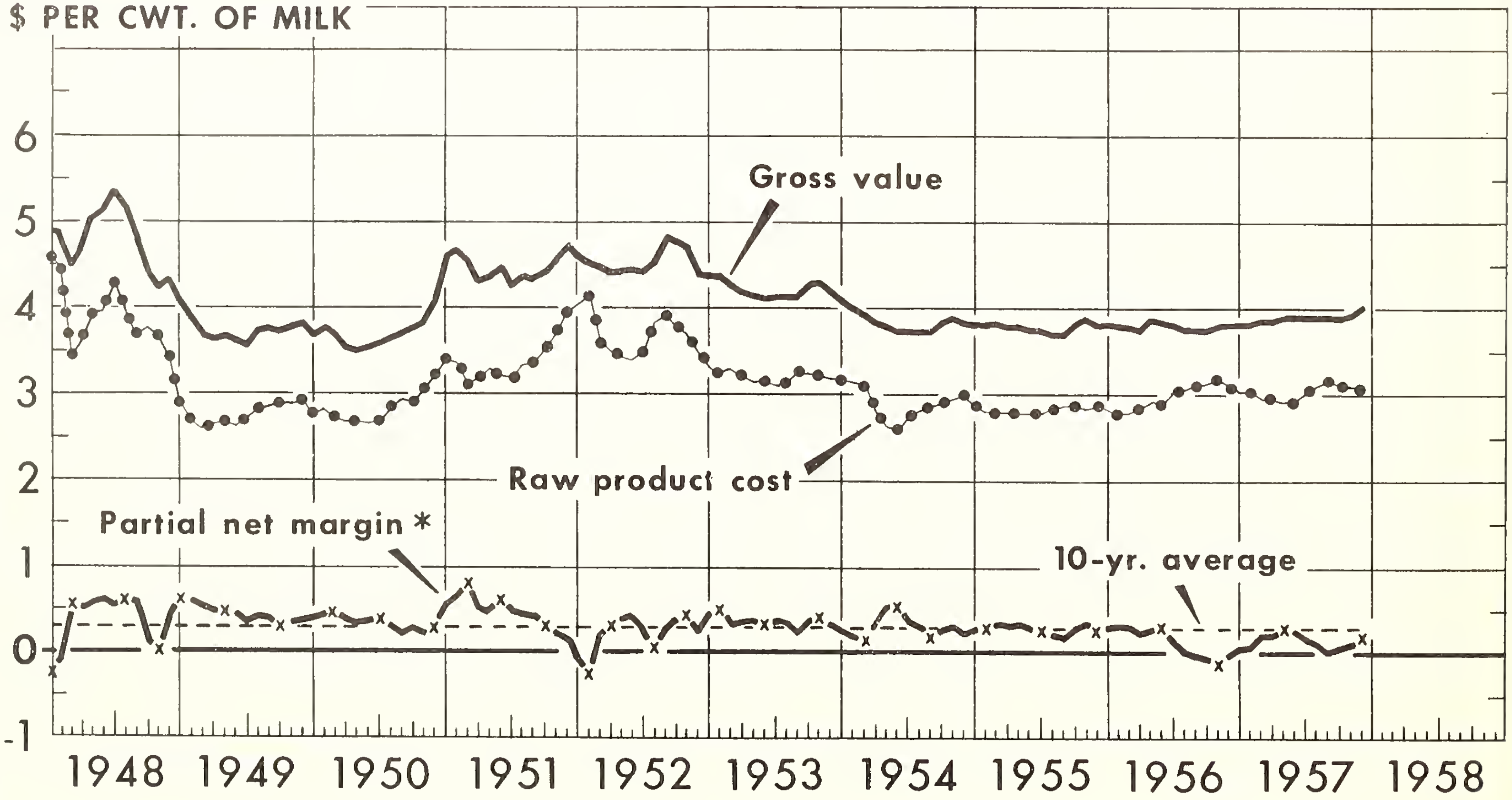
Δ REFLECTS SEPARATE PRICE FOR MILK USED FOR ICE CREAM SOLD IN NEW YORK CITY

U.S. DEPARTMENT OF AGRICULTURE NEG. 6708-58(11) AGRICULTURAL MARKETING SERVICE

Figure 12

CHEDDAR CHEESE

Gross Value, Raw Product Cost, and Processor's Margin, New York–New Jersey Milkshed



* *PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.*

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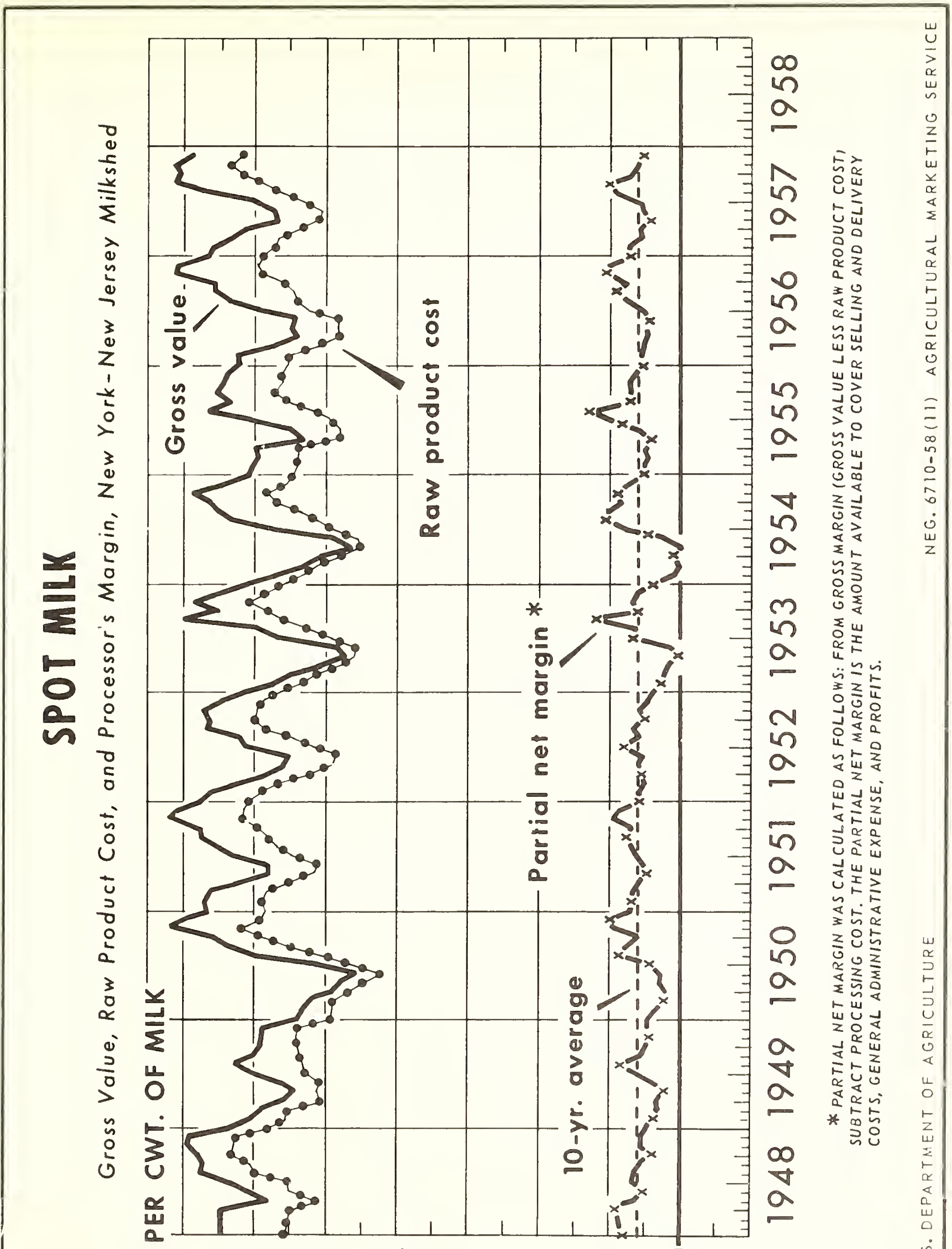
Figure 13



SPOT MILK

Gross Value, Raw Product Cost, and Processor's Margin, New York-New Jersey Milkshed

* PARTIAL NET MARGIN WAS CALCULATED AS FOLLOWS: FROM GROSS MARGIN (GROSS VALUE LESS RAW PRODUCT COST) SUBTRACT PROCESSING COST. THE PARTIAL NET MARGIN IS THE AMOUNT AVAILABLE TO COVER SELLING AND DELIVERY COSTS, GENERAL ADMINISTRATIVE EXPENSE, AND PROFITS.

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Figure 14

The partial net margins available from the production of Cheddar cheese (fig. 13) tended to be somewhat more variable than those associated with the combinations of products discussed above. This variation was particularly pronounced during 1951 and the early months of 1952--as well as during 1948-49, when the partial net margins for all products tended to be more variable. Since the margin for Cheddar cheese tended to be below the 10-year average, this product apparently was somewhat less profitable during the latter part of 1956 and through 1957 than other types of manufactured dairy products. On the average, over the 10-year period studied, the partial net margins for Cheddar cheese were just slightly below those for butter and spray-process nonfat dry milk.

Figure 14 presents the information on gross value, raw-product cost, and partial net margins available to handlers who sold spot milk. 12/ Again, the level of partial net margins tended to remain relatively constant, around the average for the 10-year period studied. On the other hand, there was substantially greater variation in these margins--primarily seasonal--than in margins for the other products. The margins were highest during the latter part of the year--when milk supplies normally are low relative to demand (fig. 14). These margins were lowest during seasons of flush production--usually between March and June (Appendix table 43, pp. 100-102).

Relationships of Partial Net Margins Among Products

The average partial net margins for milk used for butter and nonfat dry milk were smaller than those for any other product during 1948-57. It is convenient, therefore, to measure shifts in the profitability of the various products and combinations of products by considering the amounts by which their margins exceed those for butter and nonfat dry milk (table 8).

Combinations involving butter and condensed skim milk and butter and cottage cheese consistently resulted in higher net returns than did the straight butter and nonfat dry milk operation. Returns from the production of cream and nonfat dry milk were, in general, quite consistent with those from the butter and nonfat dry milk combination. In relatively isolated instances the manufacture of cream and nonfat dry milk was much more favorable than butter and nonfat dry milk (such as October and November 1948). Otherwise, the cream and nonfat dry milk differential tended to be small (in several instances it was negative) during most of the period under consideration. After July 1956, it was consistently more profitable for manufacturers to use Class III milk for cream rather than to manufacture butter.

Combinations involving ice cream mix resulted in margins considerably higher than those for butter and nonfat dry milk, the difference being greater than for any other use of milk fat. For the most part the partial net margins for Cheddar

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12/ The reader is again reminded that spot milk normally is used to supplement fluid milk supplies for city distribution and that the first handler must account for it as Class I milk, rather than as Class III. The higher price for Class I explains why the gross value and the cost of the raw product are higher for spot milk transactions than for manufacturing operations.

Table 8.--Amounts by which partial net margins for manufacturing specified combinations of dairy products exceeded those for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Butter-condensed skim milk	Butter-cottage cheese	Cream-nonfat dry milk	Cream-condensed skim milk	Cream-cottage cheese	Ice cream mix-nonfat dry milk	Ice cream mix-condensed milk	Ice cream mix-cottage cheese	Cheddar cheese	Spot milk
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948										
January	0.16	0.41	0.59	0.83	0.97	0.58	0.75	0.92	-0.15	0.88
February	.17	.43	.66	.91	1.05	.70	.87	1.04	.06	.99
March	.18	.48	.25	.51	.70	.51	.69	.86	.37	.67
April	.19	.49	.11	.37	.57	.33	.51	.70	.31	.69
May	.17	.48	.10	.35	.56	.35	.53	.73	.36	.42
June	.15	.54	.27	.50	.77	.42	.59	.83	.38	.28
July	.16	.60	.33	.57	.86	.48	.64	.90	.34	.47
August	.15	.61	.52	.75	1.03	.54	.71	.97	.41	.46
September	.15	.64	.56	.79	1.08	.67	.82	1.09	.34	.34
October	.15	.69	1.07	1.31	1.65	1.57	1.72	1.99	.17	.48
November	.15	.70	.84	1.08	1.47	1.54	1.70	1.98	-.07	.47
December	.19	.66	.60	.87	1.20	1.27	1.45	1.68	.17	.32
1949										
January	.48	.79	.66	1.21	1.38	1.38	1.76	1.87	.41	.24
February	.45	.85	.48	.99	1.30	1.27	1.63	1.82	.41	.17
March	.44	.71	.32	.81	1.02	1.11	1.46	1.57	.33	.10
April	.31	.63	.17	.53	.79	.95	1.21	1.36	.04	-.06
May	.24	.60	.01	.31	.63	.73	.95	1.14	.04	-.21
June	.23	.52	.08	.36	.61	.62	.83	.99	.03	-.02
July	.23	.49	.10	.39	.60	.57	.78	.90	-.10	.14
August	.24	.48	.18	.48	.66	.51	.73	.86	-.01	.41
September	.22	.48	.10	.36	.55	.49	.69	.82	-.05	.08
October	.23	.47	.01	.30	.49	.49	.70	.83	-.13	.01
November	.20	.47	-.03	.23	.46	.49	.68	.83	-.10	-.05
December	.23	.46	.00	.29	.48	.46	.67	.80	-.07	-.02

--Continued

Table 8.--Amounts by which partial net margins for manufacturing specified combinations of dairy products exceeded those for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Butter-condensed skim milk	Butter-cottage cheese	Cream-nonfat dry milk	Cream-condensed skim milk	Cream-cottage cheese	Ice cream mix-nonfat dry milk	Ice cream mix-condensed milk	Ice cream mix-cottage cheese	Cheddar cheese	Spot milk
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1950										
January	0.19	0.40	0.02	0.27	0.43	0.41	0.59	0.71	-0.09	-0.06
February	.20	.41	-.11	.13	.32	.33	.51	.64	-.07	-.14
March	.18	.41	-.03	.22	.41	.44	.62	.75	-.05	-.31
April	.15	.27	-.03	.15	.25	.48	.63	.66	-.12	-.32
May	.12	.27	-.03	.15	.26	.36	.49	.57	-.14	-.21
June	.02	.27	-.03	.05	.26	.36	.49	.57	-.12	-.23
July	.13	.36	-.01	.18	.37	.40	.54	.67	-.11	-.07
August	.14	.34	.06	.27	.41	.46	.61	.70	-.11	.48
September	.13	.46	.11	.30	.56	.56	.70	.89	-.23	.33
October	.13	.50	.09	.29	.60	.57	.71	.94	-.22	.07
November	.14	.50	.09	.30	.59	.65	.80	1.01	-.20	.55
December	.17	.54	.13	.38	.68	.57	.75	.97	-.04	.70
1951										
January	.24	.59	.14	.45	.73	.55	.77	.99	.37	.47
February	.23	.58	.26	.57	.81	.58	.80	1.00	.49	.47
March	.22	.58	.23	.52	.78	.67	.87	1.08	.46	.27
April	.23	.50	.21	.52	.70	.65	.88	1.00	.14	.18
May	.24	.47	.09	.40	.57	.42	.65	.78	.06	.09
June	.23	.56	.10	.42	.68	.48	.71	.90	.21	.13
July	.26	.58	.10	.43	.67	.54	.76	.96	.07	.29
August	.20	.51	.15	.43	.67	.64	.84	1.01	.12	.38
September	.18	.49	.13	.40	.63	.64	.81	.99	.02	.37
October	.20	.60	.08	.37	.69	.57	.76	1.03	-.05	.29
November	.22	.59	.01	.30	.61	.46	.66	.91	-.08	.68
December	.22	.55	.05	.35	.62	.35	.56	.79	-.11	.59

--Continued

Table 8.--Amounts by which partial net margins for manufacturing specified combinations of dairy products exceeded those for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Butter-condensed skim milk	Butter-cottage cheese	Cream-nonfat dry milk	Cream-condensed skim milk	Cream-cottage cheese	Ice cream mix-nonfat dry milk	Ice cream mix-condensed milk	Ice cream mix-cottage cheese	Cheddar cheese	Spot milk
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952										
January	0.31	0.50	0.11	0.50	0.64	0.36	0.64	0.76	-0.26	0.37
February	.28	.45	-.02	.34	.47	.22	.48	.61	-.50	.32
March	.23	.56	.23	.53	.79	.64	.86	1.05	-.12	.13
April	.21	.47	.00	.29	.51	.63	.84	1.00	-.09	.17
May	.18	.47	-.02	.25	.51	.67	.87	1.04	.01	.19
June	.16	.48	-.01	.24	.52	.76	.94	1.12	.04	.14
July	.17	.46	.05	.31	.55	.71	.90	1.06	-.09	.41
August	.21	.44	.18	.49	.64	.61	.82	.95	-.14	.41
September	.22	.45	.29	.59	.75	.83	1.04	1.15	.20	.59
October	.22	.46	.29	.60	.75	.93	1.14	1.24	.22	.35
November	.22	.48	.25	.55	.72	.96	1.18	1.29	.19	.34
December	.24	.52	.16	.48	.68	.94	1.17	1.29	.00	.14
1953										
January	.21	.55	.02	.32	.61	.78	.99	1.19	.12	.02
February	.22	.56	.00	.30	.58	.69	.90	1.11	.19	-.03
March	.21	.56	-.10	.20	.52	.64	.85	1.07	.07	-.03
April	.23	.61	-.15	.16	.51	.60	.82	1.06	.08	-.11
May	.21	.62	-.15	.15	.53	.62	.83	1.09	.07	-.28
June	.23	.64	-.14	.17	.55	.63	.85	1.10	.08	-.08
July	.24	.65	.00	.30	.67	.67	.89	1.15	.07	.39
August	.21	.63	.03	.33	.68	.67	.88	1.13	.02	.29
September	.20	.65	.03	.30	.70	.60	.80	1.10	-.08	.93
October	.16	.59	-.01	.22	.61	.55	.72	1.01	-.05	.15
November	.16	.58	-.03	.21	.58	.57	.74	1.02	-.06	.18
December	.19	.60	.01	.27	.62	.61	.79	1.06	-.09	.15

--Continued

Table 8.--Amounts by which partial net margins for manufacturing specified combinations of dairy products exceeded those for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Butter-condensed skim milk	Butter-cottage cheese	Cream-nonfat dry milk	Cream-condensed skim milk	Cream-cottage cheese	Ice cream mix-nonfat dry milk	Ice cream mix-condensed milk	Ice cream mix-cottage cheese	Cheddar cheese	Spot milk
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1954										
January	0.22	0.63	0.02	0.32	0.67	0.65	0.86	1.12	-0.08	0.05
February	.25	.68	-.02	.30	.69	.66	.90	1.17	-.07	-.03
March	.22	.66	-.14	.16	.57	.60	.81	1.11	-.07	-.22
April	.15	.74	-.12	.11	.65	.75	.92	1.30	.16	-.10
May	.15	.74	-.15	.08	.64	.74	.91	1.29	.15	-.41
June	.15	.74	-.14	.09	.65	.75	.92	1.30	.12	-.13
July	.15	.65	-.03	.20	.65	.75	.91	1.23	.00	.40
August	.17	.65	.09	.34	.75	.75	.94	1.23	-.10	.66
September	.17	.63	.05	.28	.70	.69	.87	1.16	-.20	.61
October	.17	.63	-.01	.23	.64	.74	.93	1.21	-.13	.37
November	.19	.63	-.02	.26	.65	.74	.94	1.21	-.10	.52
December	.19	.63	-.02	.24	.63	.71	.90	1.18	-.15	.42
1955										
January	.16	.64	.01	.26	.68	.79	.98	1.27	-.05	.14
February	.22	.70	-.06	.24	.68	.82	1.04	1.33	.05	.20
March	.23	.72	-.04	.25	.70	.82	1.04	1.34	.10	.16
April	.21	.71	-.05	.23	.69	.81	1.02	1.33	.08	.21
May	.14	.71	-.05	.15	.68	.79	.94	1.30	.08	.09
June	.13	.71	-.04	.16	.69	.74	.89	1.26	.03	.29
July	.10	.68	.04	.23	.73	.86	.99	1.33	-.04	.65
August	.15	.72	.14	.37	.87	.91	1.09	1.43	-.13	.97
September	.18	.74	.11	.34	.85	.88	1.06	1.41	-.16	.37
October	.17	.73	.04	.28	.79	.91	1.09	1.42	-.06	.31
November	.16	.73	.08	.32	.82	.90	1.08	1.42	-.03	.31
December	.18	.75	.05	.31	.81	.90	1.09	1.43	-.05	.26

--Continued

Table 8.--Amounts by which partial net margins for manufacturing specified combinations of dairy products exceeded those for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Butter-condensed skim milk	Butter-cottage cheese	Cream-nonfat dry milk	Cream-condensed skim milk	Cream-cottage cheese	Ice cream mix-nonfat dry milk	Ice cream mix-condensed milk	Ice cream mix-cottage cheese	Cheddar cheese	Spot milk
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956										
January	0.19	0.77	0.04	0.30	0.82	0.92	1.12	1.44	0.01	0.21
February	.24	.82	.03	.34	.86	.94	1.17	1.49	.06	.26
March	.23	.80	.02	.31	.84	.91	1.12	1.46	.04	.20
April	.20	.72	-.05	.23	.71	.91	1.11	1.40	.01	.23
May	.21	.71	-.01	.27	.74	.92	1.12	1.40	.08	.32
June	.20	.71	.02	.29	.76	.95	1.15	1.43	.08	.27
July	.27	.78	.08	.44	.89	1.00	1.25	1.53	.02	.44
August	.29	.86	.10	.46	.98	1.00	1.26	1.60	-.07	.69
September	.30	.79	.11	.47	.90	.95	1.21	1.48	-.15	.83
October	.30	.79	.11	.47	.90	.93	1.19	1.46	-.20	.66
November	.26	.79	.12	.47	.93	.91	1.15	1.46	-.31	.87
December	.23	.76	.16	.46	.93	1.00	1.22	1.52	-.25	.76
1957										
January	.23	.77	.12	.44	.91	.96	1.18	1.50	-.13	.47
February	.24	.78	.12	.44	.91	.96	1.17	1.50	-.08	.51
March	.23	.77	.09	.40	.88	.90	1.12	1.44	-.02	.32
April	.24	.78	.06	.37	.86	.92	1.13	1.45	-.01	.34
May	.24	.78	.05	.36	.84	.93	1.14	1.46	.03	.20
June	.23	.78	.06	.37	.85	.94	1.15	1.46	.03	.28
July	.23	.77	.15	.46	.93	.84	1.06	1.39	.00	.39
August	.25	.83	.22	.55	1.05	.85	1.09	1.46	-.04	.82
September	.29	.84	.20	.55	1.03	.82	1.07	1.42	-.11	.88
October	.29	.84	.20	.57	1.04	.90	1.17	1.50	-.12	.54
November	.35	.90	.22	.64	1.11	.96	1.26	1.59	.00	.49
December	.35	.91	.23	.65	1.12	.97	1.27	1.60	.10	.41

cheese were closely related to those for butter and nonfat dry milk, the differences shown in table 8 tending to be relatively small. Of the 120 months during this 10-year period, exactly half of the time cheese margins were below those for butter and nonfat dry milk. During 4 months the margins for cheese were exactly the same as those for butter and nonfat dry milk.

The greater variability of the partial net margins for spot milk is again evident in the differences from those for butter and nonfat dry milk. These differences ranged from 99 cents above to 41 cents below the butter and nonfat dry milk margin. Although in several instances--particularly in the early months of 1950, 1953, and 1954--shipping spot milk was less profitable than manufacturing butter and nonfat dry milk, the margins for spot milk have generally exceeded those for butter and nonfat dry milk. Several times shipping spot milk appeared to be more profitable than manufacturing certain types of products or combinations of products, but at no time would it have been profitable to divert milk from ice cream mix and cottage cheese to the spot milk market.

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Table 9.--Average butterfat content of milk and calculated yield of specified products from a hundred pounds of milk, New York-New Jersey market, 1948-57

Year	Average butterfat content	Yield from a hundred pounds of milk										
		Cream and nonfat dry milk		Butter and nonfat dry milk		Cheddar cheese			Cream and creamed cottage cheese		Cream and condensed skim milk	
		40 percent cream	Nonfat dry milk	Butter	Nonfat dry milk	Cheddar	Whey butter	Dried whey	Cream	Cottage cheese	Cream	Condensed skim milk
	Percent	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1948	3.68	8.97	8.15	4.39	8.63	9.70	0.22	5.73	7.63	14.92	8.97	26.56
1949	3.66	8.92	8.15	4.37	8.62	9.66	.22	5.73	7.58	14.91	8.92	26.55
1950	3.67	8.95	8.15	4.38	8.63	9.68	.22	5.73	7.61	14.92	8.95	26.55
1951	3.65	8.90	8.14	4.35	8.62	9.63	.22	5.73	7.56	14.91	8.90	26.54
1952	3.64	8.87	8.14	4.34	8.62	9.61	.21	5.73	7.54	14.90	8.87	26.53
1953	3.62	8.82	8.14	4.32	8.61	9.56	.21	5.74	7.48	14.89	8.82	26.51
1954	3.61	8.80	8.14	4.31	8.60	9.54	.21	5.74	7.46	14.89	8.80	26.50
1955	3.59	8.75	8.13	4.28	8.60	9.50	.21	5.74	7.41	14.88	8.75	26.49
1956	3.61	8.80	8.14	4.31	8.60	9.54	.21	5.74	7.46	14.89	8.80	26.50
1957	3.59	8.75	8.13	4.28	8.60	9.50	.21	5.74	7.41	14.88	8.75	26.49

Year	Yield from a hundred pounds of milk									
	Butter and creamed cottage cheese		Butter and condensed skim milk		Ice cream mix and nonfat dry milk 1/		Ice cream mix and creamed cottage cheese 1/		Ice cream mix and condensed skim milk 1/	
	Butter	Cottage cheese	Butter	Condensed skim milk	Ice cream mix	Nonfat dry milk	Ice cream mix	Cottage cheese	Ice cream mix	Condensed skim milk
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1948	3.74	14.92	4.39	26.56	24.36	5.71	21.54	11.58	24.36	18.34
1949	3.71	14.91	4.37	26.55	24.22	5.72	21.40	11.60	24.22	18.37
1950	3.72	14.92	4.38	26.55	24.29	5.72	21.46	11.59	24.29	18.36
1951	3.70	14.91	4.35	26.54	24.15	5.72	21.32	11.61	24.15	18.39
1952	3.69	14.90	4.34	26.53	24.08	5.73	21.26	11.62	24.08	18.40
1953	3.66	14.89	4.32	26.51	23.95	5.74	21.12	11.64	23.95	18.43
1954	3.65	14.89	4.31	26.50	23.88	5.74	21.04	11.65	23.88	18.45
1955	3.63	14.88	4.28	26.49	23.74	5.75	20.90	11.66	23.74	18.48
1956	3.65	14.89	4.31	26.50	23.88	5.74	21.04	11.65	23.88	18.45
1957	3.63	14.88	4.28	26.49	23.74	5.75	20.90	11.66	23.74	18.48

1/ Ice cream mix yields are for a 12.5 percent mix, and include only the cream and condensed skim milk. See table 10 for quantities of sugar, and gelatin, in the mix from a hundred pounds of milk.

Table 10.--Ice cream mix: Calculated yield from a hundred pounds of milk, including sugar and gelatin used 1/

Year	Ice cream mix and nonfat dry milk or ice cream mix and condensed skim milk				Ice cream mix and creamed cottage cheese			
	Cream and: condensed: skim milk	Sugar	Gelatin	Total mix	Cream and: condensed: skim milk	Sugar	Gelatin	Total mix
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1948	24.36	4.32	0.12	28.79	21.54	3.82	0.10	25.46
1949	24.22	4.29	.12	28.63	21.40	3.79	.10	25.29
1950	24.29	4.31	.12	28.71	21.46	3.81	.10	25.37
1951	24.15	4.28	.11	28.55	21.32	3.78	.10	25.21
1952	24.08	4.27	.11	28.47	21.26	3.77	.10	25.12
1953	23.95	4.25	.11	28.31	21.12	3.74	.10	24.96
1954	23.88	4.23	.11	28.23	21.04	3.73	.10	24.88
1955	23.74	4.21	.11	28.06	20.90	3.71	.10	24.71
1956	23.88	4.23	.11	28.23	21.04	3.73	.10	24.88
1957	23.74	4.21	.11	28.06	20.90	3.71	.10	24.71

1/ This calculation is derived from the yield of cream and condensed milk from 100 pounds of milk made into ice cream mix, when product combination is nonfat dry milk, condensed skim milk, or creamed cottage cheese (table 9) as follows:

Pounds of ice cream mix divided by 84.6 percent = total pounds of mix
Total pounds of mix multiplied by 15 percent = pounds of sugar
Total pounds of mix multiplied by 0.4 percent = pounds of gelatin.

These calculations are for 12.5 percent ice cream.

Table 11.--Wholesale price, per pound, for spray-process nonfat dry milk for human consumption at New York City, by months, 1948-57 1/

Month	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
Jan.	16.43	12.76	12.76	13.83	16.39	16.74	16.09	16.38	16.00	16.50
Feb.	16.25	11.95	12.75	13.88	16.70	15.94	15.38	15.76	15.47	16.50
Mar.	15.93	11.88	12.75	14.02	17.20	15.75	14.75	15.62	15.60	16.50
Apr.	15.81	12.11	12.75	14.95	17.39	15.32	14.50	15.66	15.50	16.50
May	16.00	12.38	12.75	15.00	17.50	15.22	14.50	15.75	15.50	16.50
June	16.14	12.56	12.75	15.00	17.50	15.07	14.50	15.75	15.50	16.50
July	16.50	12.75	12.75	15.00	17.50	15.00	15.49	16.12	15.50	16.50
Aug.	16.51	12.75	12.82	15.62	17.50	15.17	16.42	16.25	15.50	16.50
Sept.	16.62	13.05	13.25	15.89	17.50	15.71	16.50	16.25	15.50	16.50
Oct.	16.62	12.93	13.38	16.00	17.50	16.40	16.45	16.25	15.50	16.42
Nov.	16.51	12.88	13.42	16.00	17.50	16.50	16.38	16.25	16.00	15.75
Dec.	16.11	12.88	13.62	16.00	17.23	16.43	16.38	16.08	16.50	15.75
Average 2/	16.29	12.57	12.98	15.10	17.28	15.77	15.61	16.01	15.67	16.37

1/ Simple average monthly prices for dry skim milk, spray process for human consumption, other brands reported daily by Producers' Price Current.

2/ Simple average of monthly prices.

Table 12.--Cream for manufacturing (40 percent, in 40-quart cans): Price per pound of cream f.o.b. plant in 201- to 210-mile zone, New York-New Jersey milkshed, by months, 1948-57 1/

Month	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
January	48.75	39.67	32.74	37.99	43.01	35.36	34.65	31.06	31.06	32.97
February	48.98	37.28	31.78	38.95	43.49	34.89	34.17	30.11	30.94	32.86
March	46.59	34.65	31.54	37.51	40.86	33.93	32.50	29.87	30.82	32.86
April	46.36	33.21	31.06	37.28	37.28	32.86	29.39	29.87	30.47	32.50
May	45.64	31.54	31.06	37.51	36.32	32.74	28.91	29.87	30.82	32.26
June	47.31	31.78	31.06	37.04	36.08	32.74	28.91	29.87	31.06	32.26
July	48.75	32.50	31.54	36.32	37.99	34.17	30.23	31.06	31.78	32.97
August	49.70	34.41	32.97	36.80	40.62	34.89	31.54	32.26	32.26	33.93
September	48.51	33.69	34.17	37.04	40.62	35.36	31.78	32.26	32.97	34.41
October	44.21	32.74	34.41	37.75	40.14	35.36	31.54	31.30	33.21	34.17
November	40.86	32.26	34.89	38.47	38.95	34.89	31.54	31.78	34.17	33.93
December	40.14	32.97	36.08	41.58	37.28	34.89	31.78	31.54	33.69	33.93
Average 2/	46.32	33.89	32.77	37.85	39.39	34.34	31.41	30.90	31.94	33.25

1/ Based on price information furnished by dealers, January 1948 to August 1952, and Producers' Price Current, September 1952 to December 1957. Price per can divided by 83.7 pounds of cream per can.

2/ Simple average of monthly prices.

Table 13.--Ice cream mix (12.5 percent butterfat): Price per pound of mix for sales to ice cream manufacturers, f.o.b. plant in 201- to 210-mile zone, New York-New Jersey milkshed, by months, 1948-57 1/

Month	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
January	18.0	17.4	14.1	15.9	17.2	16.7	16.0	15.4	15.8	16.3
February	18.2	16.8	14.0	15.9	17.4	16.3	16.0	15.4	15.8	16.3
March	18.2	16.0	14.0	15.9	17.2	16.1	15.6	15.3	15.7	16.2
April	18.0	15.5	14.0	15.9	16.9	15.8	15.1	15.3	15.8	16.2
May	17.9	14.8	13.6	15.6	16.8	15.8	15.0	15.2	15.8	16.2
June	18.1	14.3	13.6	15.6	17.0	15.8	15.0	15.0	15.9	16.2
July	18.5	14.2	13.8	15.6	17.2	15.9	15.1	15.5	16.1	15.8
August	18.4	14.4	14.2	16.0	17.2	16.0	15.2	15.8	16.2	15.9
September	18.3	14.4	14.8	16.1	17.6	16.0	15.2	15.8	16.2	16.0
October	18.3	14.4	15.0	16.3	17.8	16.0	15.5	15.8	16.2	16.2
November	18.0	14.4	15.4	16.4	17.7	16.0	15.5	15.8	16.4	16.2
December	17.6	14.4	15.4	16.8	17.4	16.0	15.5	15.8	16.5	16.2
Average 2/	18.1	15.1	14.3	16.0	17.3	16.0	15.4	15.5	16.0	16.1

1/ Based on information furnished by dealers.

2/ Simple average of monthly prices.

Table 14.--Condensed skim milk, unsweetened (30 percent or more total solids, in 40-quart cans): Wholesale price per pound, New York-New Jersey milkshed, by months, 1948-57 1/

Month	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
January	5.45	5.45	4.45	4.85	5.95	5.75	5.50	5.45	5.35	5.65
February	5.45	5.10	4.40	4.85	5.95	5.50	5.40	5.45	5.35	5.65
March	5.40	5.05	4.40	4.85	5.90	5.45	5.15	5.40	5.35	5.65
April	5.35	4.60	4.30	5.25	5.90	5.35	4.80	5.35	5.25	5.65
May	5.35	4.50	4.15	5.25	5.85	5.25	4.80	5.10	5.25	5.65
June	5.35	4.50	4.15	5.25	5.75	5.25	4.80	5.10	5.25	5.65
July	5.45	4.55	4.15	5.30	5.80	5.25	5.10	5.15	5.55	5.65
August	5.45	4.60	4.25	5.30	6.00	5.25	5.45	5.35	5.55	5.75
September	5.45	4.60	4.30	5.30	6.00	5.30	5.45	5.35	5.60	5.80
October	5.45	4.60	4.35	5.45	6.00	5.35	5.45	5.35	5.60	5.85
November	5.45	4.50	4.40	5.50	6.00	5.45	5.50	5.35	5.65	5.85
December	5.45	4.60	4.60	5.50	5.95	5.50	5.50	5.35	5.65	5.85
Average 2/	5.42	4.72	4.32	5.22	5.92	5.39	5.24	5.31	5.45	5.72

1/ Based on information furnished by dealers, January 1948 to December 1950, and Producers' Price Current, January 1951 to December 1957. Price per can divided by 91 pounds per can.

2/ Simple average of monthly prices.

Table 15.--Creamed cottage cheese (4 percent butterfat, in 30- and 50-pound tins): Wholesale price per pound, New York City, by months, 1948-57 1/

Month	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
January	15.5	15.0	12.5	14.5	16.0	16.0	16.0	16.0	16.5	17.0
February	15.5	15.0	12.5	14.5	16.0	15.5	16.0	16.0	16.5	17.0
March	15.5	14.0	12.5	14.5	16.5	15.5	15.5	16.0	16.5	17.0
April	15.5	13.5	11.5	14.5	16.0	15.5	15.5	16.0	16.0	17.0
May	15.5	13.5	11.5	14.5	16.0	15.5	15.5	16.0	16.0	17.0
June	16.0	13.0	11.5	15.0	16.0	15.5	15.5	16.0	16.0	17.0
July	16.5	13.0	12.0	15.0	16.0	15.5	15.5	16.0	16.5	17.0
August	16.5	13.0	12.0	15.0	16.0	15.5	16.0	16.5	17.0	17.5
September	16.5	13.0	13.0	15.0	16.0	16.0	16.0	16.5	16.5	17.5
October	16.5	13.0	13.5	16.0	16.0	16.0	16.0	16.5	16.5	17.5
November	16.5	13.0	13.5	16.0	16.0	16.0	16.0	16.5	17.0	17.5
December	16.0	13.0	14.0	16.0	16.0	16.0	16.0	16.5	17.0	17.5
Average 2/	16.0	13.5	12.5	15.0	16.0	15.7	15.8	16.2	16.5	17.2

1/ Based on prices reported by dealers.

2/ Simple average of monthly prices.

Table 16.--Milk for manufactured products (other than butter and Cheddar cheese): Cost per hundred pounds f.o.b. plant in 201- to 210-mile zone, New York-New Jersey milkshed, by months, 1948-57 1/

Month	1948 2/		1949 2/		1950	1951	1952	1953	1954	1955	1956	1957
	Ice cream sold in New York and frozen cream	Other products	Ice cream sold in New York and frozen cream	Other products								
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
January	4.92	4.65	3.38	3.12	2.90	3.53	4.16	3.45	3.28	2.98	2.95	3.13
February	4.91	4.65	3.28	3.02	2.93	3.50	4.27	3.37	3.27	2.95	2.92	3.13
March	4.69	4.47	3.18	2.97	2.82	3.23	3.74	3.40	3.24	2.93	2.92	3.10
April	4.78	4.57	2.78	2.77	2.79	3.29	3.65	3.31	2.93	2.92	2.98	3.10
May	4.71	4.50	2.80		2.78	3.41	3.58	3.25	2.75	2.92	3.01	3.06
June	4.70	4.49	2.77		2.78	3.35	3.54	3.26	2.72	2.91	2.99	3.06
July	4.80	4.59	2.82		2.79	3.33	3.64	3.23	2.86	2.92	3.11	3.13
August	4.77	4.50	2.95		2.97	3.45	3.99	3.27	2.91	2.95	3.16	3.17
September	4.61	4.35	2.98		3.04	3.46	3.99	3.38	3.00	3.00	3.21	3.26
October	4.09	3.78	2.99		3.03	3.63	3.90	3.36	3.04	2.98	3.23	3.22
November	3.79	3.53	2.99		3.18	3.86	3.78	3.35	3.07	2.97	3.30	3.20
December	3.78	3.52	3.02		3.33	4.09	3.62	3.32	3.12	2.98	3.19	3.17
Average 3/	4.54	4.30	3.00	2.93	2.95	3.51	3.82	3.33	3.02	2.95	3.08	3.14

1/ Basic price adjusted to the average butterfat test for the year, and (beginning April 1949) including the administrative assessment.

2/ Before April 1949, milk sold under Order No. 27 and used for ice cream sold in New York or for frozen cream was priced differently than milk used in other manufactured products. During April 1949 a change in the provisions of the order resulted in identical prices for milk used in all manufactured dairy products (other than butter and Cheddar cheese).

3/ Simple average of monthly prices.

Table 17.--Milk for butter and Cheddar cheese: Cost per hundred pounds f.o.b. plant in 201- to 210-mile zone, New York-New Jersey milkshed, by months, 1948-57 1/

Month	1948 2/		1949 2/		1950	1951	1952	1953	1954	1955	1956	1957
	Butter	Cheddar cheese	Butter	Cheddar cheese								
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
January	4.66	4.58	3.03	2.86	2.76	3.38	4.01	3.30	3.14	2.84	2.80	3.02
February	4.65	4.45	2.98	2.66	2.78	3.36	4.12	3.22	3.12	2.80	2.77	3.02
March	4.12	3.42	2.92	2.59	2.68	3.08	3.60	3.26	3.10	2.79	2.77	2.95
April	4.20	3.63	2.63		2.64	3.14	3.50	3.16	2.78	2.78	2.83	2.96
May	4.09	3.92	2.65		2.64	3.26	3.42	3.11	2.60	2.77	2.90	2.91
June	4.10	3.96	2.63		2.63	3.20	3.40	3.11	2.57	2.77	2.88	2.92
July	4.06	4.27	2.68		2.64	3.18	3.49	3.09	2.71	2.77	3.01	3.02
August	3.94	3.98	2.80		2.82	3.31	3.84	3.13	2.77	2.81	3.05	3.07
September	3.78	3.68	2.83		2.90	3.32	3.92	3.23	2.86	2.85	3.10	3.15
October	3.78	3.74	2.85		2.89	3.49	3.80	3.22	2.89	2.84	3.13	3.11
November	3.53	3.63	2.85		3.03	3.71	3.67	3.21	2.92	2.82	3.19	3.09
December	3.41	3.34	2.88		3.19	3.94	3.47	3.17	2.97	2.83	3.08	3.07
Average 3/	4.03	3.88	2.81	2.74	2.80	3.36	3.69	3.18	2.87	2.81	2.96	3.02

1/ Data for 1948 and 1949 from Historical Summary, New York Milk Market Administrator, tables 34, 35, 36, and 37. For 1950-57, prices taken from market administrator's annual reports.

2/ Before April 1949, butter and Cheddar cheese were priced in separate classes (butter, IV-A, Cheddar cheese, IV-B). In April 1949, the two were combined with Class III subject to an adjustment which resulted in an identical price for them.

3/ Simple average of monthly prices.

Table 18.--Sugar and gelatin prices, per pound, 1948-57 1/

Year	Sugar	Gelatin
	Cents	Cents
1948	7.80	71.0
1949	7.80	71.0
1950	8.00	67.0
1951	8.00	67.0
1952	8.40	75.0
1953	8.40	80.0
1954	8.40	80.0
1955	8.40	75.0
1956	8.85	75.0
1957	8.90	81.0

1/ Prices obtained from Brock-Hall Dairy, Hamden, Connecticut.

Table 19.--Cost of raw materials for ice cream mix and nonfat dry milk, or ice cream mix and condensed skim milk, per hundredweight of milk, New York-New Jersey milkshed, by months, 1948-57

Month	Total cost 1/											
	1948 2/		1949 2/		1950	1951	1952	1953	1954	1955	1956	1957
	Ice cream sold in New York and frozen cream	Other products	Ice cream sold in New York and frozen cream	Other products								
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
January	5.07	5.34	3.53	3.79	3.32	3.95	4.61	3.90	3.73	3.41	3.40	3.59
February	5.07	5.33	3.43	3.69	3.35	3.92	4.72	3.82	3.72	3.38	3.37	3.59
March	4.89	5.11	3.38	3.59	3.24	3.65	4.19	3.85	3.69	3.36	3.37	3.56
April	4.99	5.20	3.18	3.19	3.21	3.71	4.10	3.76	3.38	3.35	3.43	3.56
May	4.92	5.13	3.21		3.20	3.83	4.03	3.70	3.20	3.35	3.46	3.52
June	4.91	5.12	3.18		3.20	3.77	3.99	3.71	2.17	3.34	3.44	3.52
							4.09					
July	5.01	5.22	3.23		3.21	3.75	4.44	3.68	3.31	3.35	3.56	3.59
August	4.92	5.19	3.36		3.39	3.87	4.44	3.72	3.36	3.38	3.61	3.63
September	4.77	5.03	3.39		3.46	3.88	4.44	3.83	3.45	3.43	3.66	3.72
October	4.20	4.51	3.40		3.45	4.05	4.35	3.81	3.49	3.41	3.68	3.68
November	3.95	4.21	3.40		3.60	4.28	4.23	3.80	3.52	3.40	3.75	3.66
December	3.94	4.20	3.43		3.75	4.51	4.07	3.77	3.57	3.41	3.64	3.63
Average 3/	4.72	4.97	3.34	3.40	3.36	3.93	3.94	3.78	3.38	3.38	3.53	3.60

1/ Composed of the following items: Cost of milk for ice cream mix from table 8; quantities of sugar and gelatin from table 2; and prices of sugar and gelatin from table 10.

2/ See p. 46, table 16, footnote 2.

3/ Simple average of monthly prices.

Table 20.--Cost of raw materials for ice cream mix and creamed cottage cheese, New York-New Jersey milkshed, per hundredweight of milk, by months, 1948-57

Month	Total cost 1/											
	1948 2/		1949 2/		1950	1951	1952	1953	1954	1955	1956	1957
	Ice cream sold in New York and frozen cream	Other products	Ice cream sold in New York and frozen cream	Other products								
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
January	5.02	5.29	3.49	3.75	3.27	3.90	4.56	3.84	3.67	3.36	3.36	3.54
February	5.02	5.28	3.39	3.65	3.30	3.87	4.67	3.76	3.66	3.33	3.33	3.54
March	4.84	5.06	3.34	3.55	3.19	3.60	4.14	3.79	3.63	3.31	3.33	3.51
April	4.94	5.15	3.14	3.15	3.16	3.66	4.05	3.70	3.32	3.30	3.39	3.51
May	4.87	5.08	3.17		3.15	3.78	3.98	3.64	3.14	3.30	3.42	3.47
June	4.86	5.07	3.14		3.15	3.72	3.94	3.65	3.11	3.29	3.40	3.47
							4.04					
July	4.96	5.17	3.19		3.16	3.70	4.39	3.62	3.25	3.30	3.52	3.54
August	4.87	5.14	3.32		3.34	3.82	4.39	3.66	3.30	3.33	3.57	3.58
September	4.72	4.98	3.35		3.41	3.83	4.39	3.77	3.39	3.38	3.62	3.67
October	4.15	4.46	3.36		3.40	4.00	4.30	3.75	3.43	3.36	3.64	3.63
November	3.90	4.16	3.36		3.55	4.23	4.18	3.74	3.46	3.35	3.71	3.61
December	3.89	4.15	3.39		3.70	4.46	4.02	3.71	3.51	3.36	3.60	3.58
Average 3/	4.67	4.91	3.30	3.36	3.32	3.88	3.89	3.72	3.40	3.33	3.49	3.55

1/ Composed of the following items: Cost of milk for ice cream mix from table 8; quantities of sugar and gelatin from table 2; and prices of sugar and gelatin from table 10.

2/ See p. 46, table 16, footnote 2.

3/ Simple average of monthly prices.

Table 21.--Costs of receiving and transferring a hundred pounds of raw milk from feeder plant to manufacturing plant, New York-New Jersey milkshed, by months, 1948-57

Year and month	Receiving costs	Transfer costs	Total cost of feeder plant milk	Percent of receipts from feeder plant	Costs prorated to total milk receipts
	Cents	Cents	Cents	Percent	Cents
1948					
January	11.037	10.351	21.388	60.88	13.021
February	11.205	10.351	21.556	67.99	14.656
March	11.215	10.351	21.566	68.57	14.788
April	11.339	10.351	21.690	71.31	15.467
May	11.392	10.351	21.743	71.36	15.516
June	11.393	10.351	21.744	73.05	15.884
July	11.586	10.351	21.937	66.52	14.592
August	11.805	10.351	22.156	61.63	13.655
September	11.941	10.351	22.292	52.32	11.663
October	11.956	10.351	22.307	44.39	9.902
November	11.990	10.351	22.341	39.96	8.927
December	12.005	10.351	22.356	46.64	10.427
1949					
January	12.085	10.351	22.436	60.88	13.659
February	12.017	10.351	22.368	67.99	15.208
March	11.932	10.351	22.283	68.57	15.279
April	11.801	10.351	22.152	71.31	15.797
May	11.654	10.351	22.005	71.36	15.703
June	11.599	10.351	21.950	73.05	16.034
July	11.637	10.351	21.988	66.52	14.626
August	11.627	10.351	21.978	61.63	13.545
September	11.799	10.351	22.150	52.32	11.589
October	11.786	10.351	22.137	44.39	9.827
November	11.746	10.351	22.097	39.96	8.830
December	11.771	10.351	22.122	46.64	10.318
1950					
January	11.904	10.351	22.255	60.88	13.549
February	11.952	10.351	22.303	67.99	15.164
March	11.935	10.351	22.286	68.57	15.282
April	11.932	10.351	22.283	71.31	15.890
May	11.977	10.351	22.328	71.36	15.933
June	12.062	10.351	22.413	73.05	16.373
July	12.212	10.351	22.563	66.52	15.009
August	12.266	10.351	22.617	61.63	13.939
September	12.444	10.351	22.795	52.32	11.926
October	12.563	10.351	22.914	44.39	10.172
November	12.667	10.351	23.018	39.96	9.198
December	12.879	10.351	23.230	46.64	10.834
1951					
January	13.167	10.351	23.518	60.88	14.318
February	13.231	10.351	23.582	67.99	16.033
March	13.263	10.351	23.614	68.57	16.192
April	13.199	10.351	23.550	71.31	16.794
May	13.192	10.351	23.543	71.36	16.800
June	13.218	10.351	23.569	73.05	17.217
July	13.300	10.351	23.651	66.52	15.733
August	13.194	10.351	23.545	61.63	14.511
September	13.340	10.351	23.691	52.32	12.395
October	13.304	10.351	23.655	44.39	10.500
November	13.307	10.351	23.658	39.96	9.454
December	13.448	10.351	23.799	46.64	11.100
1952					
January	13.585	16.747	30.332	60.88	18.466
February	13.541	16.747	30.288	67.99	20.593
March	13.592	16.747	30.339	68.57	20.803
April	13.521	16.747	29.995	71.31	21.389
May	13.493	16.747	30.240	71.36	21.579
June	13.516	16.747	30.263	73.05	22.107
July	13.543	16.747	30.290	66.52	20.149
August	13.652	16.747	30.399	61.63	18.735
September	13.817	16.747	30.564	52.32	15.991
October	13.809	16.747	30.556	44.39	13.564
November	13.893	16.747	30.640	39.96	12.244
December	13.953	16.747	30.700	46.64	14.318
1953					
January	14.108	16.747	30.855	60.88	18.785
February	14.134	16.747	30.881	67.99	20.996
March	14.125	16.747	30.872	68.57	21.169
April	14.095	16.747	30.842	71.31	21.993
May	14.114	16.747	30.861	71.36	22.022
June	14.176	16.747	30.923	73.05	22.589
July	14.449	16.747	31.196	66.52	20.752
August	14.397	16.747	31.144	61.63	19.194
September	14.505	16.747	31.252	52.32	16.351
October	14.490	16.747	31.237	44.39	13.866
November	14.485	16.747	31.232	39.96	12.480
December	14.473	16.747	31.220	46.64	14.561

Continued

Table 21.--Costs of receiving and transferring a hundred pounds of raw milk from feeder plant to manufacturing plant, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Receiving costs	Transfer costs	Total cost of feeder plant milk	Percent of receipts from feeder plant	Costs prorated to total milk receipts	Year and month	Receiving costs	Transfer costs	Total cost of feeder plant milk	Percent of receipts from feeder plant	Costs prorated to total milk receipts
	Cents	Cents	Cents	Percent	Cents		Cents	Cents	Cents	Percent	Cents
1954						1956					
January	14.595	16.747	31.342	60.88	19.081	January	15.680	16.747	32.427	60.88	19.742
February	14.556	16.747	31.303	67.99	21.283	February	15.685	16.747	32.432	67.99	22.051
March	14.485	16.747	31.232	68.57	21.416	March	15.775	16.747	32.522	68.57	22.300
April	14.443	16.747	31.190	71.31	22.242	April	15.857	16.747	32.604	71.31	23.250
May	14.440	16.747	31.187	71.36	22.255	May	15.785	16.747	32.532	71.36	23.215
June	14.472	16.747	31.219	73.05	22.805	June	15.842	16.747	32.589	73.05	23.806
July	14.531	16.747	31.278	66.52	20.806	July	15.861	16.747	32.608	66.52	21.691
August	14.568	16.747	31.315	61.63	19.299	August	15.989	16.747	32.736	61.63	20.175
September	14.681	16.747	31.428	52.32	16.443	September	16.126	16.747	32.873	52.32	17.199
October	14.655	16.747	31.402	44.39	13.939	October	16.149	16.747	32.896	44.39	14.603
November	14.624	16.747	31.371	39.96	12.536	November	16.183	16.747	32.930	39.96	13.159
December	14.673	16.747	31.420	46.64	14.654	December	16.336	16.747	33.083	46.64	15.430
1955						1957					
January	14.650	16.747	31.397	60.88	19.114	January	16.470	16.747	33.217	60.88	20.223
February	14.888	16.747	31.635	67.99	21.509	February	16.467	16.747	33.214	67.99	22.582
March	14.899	16.747	31.646	68.57	21.700	March	16.542	16.747	33.289	68.57	22.826
April	14.911	16.747	31.658	71.31	22.575	April	16.476	16.747	33.223	71.31	23.691
May	14.945	16.747	31.692	71.36	22.615	May	16.500	16.747	33.247	71.36	23.725
June	14.944	16.747	31.691	73.05	23.150	June	16.538	16.747	33.285	73.05	24.315
July	15.165	16.747	31.912	66.52	21.228	July	16.671	16.747	33.418	66.52	22.230
August	15.234	16.747	31.981	61.63	19.710	August	16.690	16.747	33.437	61.63	20.607
September	15.467	16.747	32.214	52.32	16.854	September	16.748	16.747	33.495	52.32	17.525
October	15.395	16.747	32.142	44.39	14.268	October	16.646	16.747	33.393	44.39	14.823
November	15.463	16.747	32.210	39.96	12.871	November	16.679	16.747	33.426	39.96	13.357
December	15.551	16.747	32.298	46.64	15.064	December	16.740	16.747	33.487	46.64	15.618

Table 22.--Costs of processing a hundred pounds of milk into butter and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	12.811	2.879	7.374	10.702	1.977	9.116	44.859
February	13.116	2.894	7.450	10.773	1.990	9.214	45.437
March	13.063	2.911	7.519	10.763	2.000	9.188	45.444
April	13.183	2.916	7.694	10.793	2.018	9.170	45.774
May	13.329	2.931	7.664	10.803	2.020	9.152	45.899
June	13.289	2.948	7.679	10.834	2.028	9.161	45.939
July	13.528	2.988	7.824	10.976	2.057	9.196	46.569
August	13.608	3.051	8.289	10.915	2.108	9.232	47.203
September	13.900	3.059	8.342	10.905	2.114	9.241	47.561
October	13.887	3.048	8.380	10.945	2.118	9.241	47.619
November	13.914	3.039	8.441	10.955	2.122	9.232	47.703
December	13.967	3.028	8.464	10.905	2.118	9.223	47.705
1949							
January	14.193	3.014	8.479	10.854	2.112	9.214	47.866
February	14.193	2.999	8.396	10.702	2.092	9.188	47.570
March	14.166	2.985	8.312	10.520	2.069	9.125	47.177
April	14.193	2.956	8.068	10.337	2.030	9.009	46.593
May	14.100	2.928	7.869	10.215	1.998	8.866	45.976
June	14.113	2.902	7.763	10.165	1.981	8.696	45.620
July	14.259	2.868	7.755	10.145	1.971	8.580	45.578
August	14.219	2.851	7.786	10.134	1.969	8.553	45.512
September	14.565	2.856	7.847	10.185	1.979	8.589	46.021
October	14.498	2.865	7.831	10.266	1.985	8.589	46.034
November	14.379	2.876	7.854	10.246	1.989	8.607	45.951
December	14.405	2.894	7.885	10.226	1.992	8.616	46.018
1950							
January	14.631	2.919	7.953	10.276	2.008	8.607	46.394
February	14.658	2.951	7.999	10.317	2.022	8.598	46.545
March	14.618	2.976	7.991	10.286	2.026	8.580	46.477
April	14.605	2.994	8.022	10.205	2.026	8.580	46.432
May	14.525	3.039	8.129	10.307	2.053	8.553	46.606
June	14.512	3.074	8.296	10.378	2.079	8.571	46.910
July	14.777	3.119	8.327	10.469	2.098	8.741	47.531
August	14.698	3.202	8.449	10.520	2.131	9.062	48.062
September	14.870	3.271	8.640	10.590	2.167	9.259	48.797
October	14.910	3.311	8.853	10.631	2.198	9.590	49.493
November	15.017	3.325	8.975	10.682	2.214	9.822	50.035
December	15.229	3.382	9.295	10.611	2.251	10.224	50.992
1951							
January	15.668	3.437	9.455	10.783	2.288	10.734	52.365
February	15.787	3.451	9.433	10.884	2.296	10.769	52.620
March	15.907	3.454	9.394	10.874	2.292	10.752	52.673
April	15.787	3.457	9.394	10.793	2.288	10.698	52.417
May	15.787	3.451	9.394	10.763	2.284	10.707	52.386
June	15.907	3.431	9.356	10.773	2.276	10.743	52.486
July	16.146	3.414	9.326	10.793	2.272	10.743	52.694
August	15.907	3.400	9.318	10.773	2.266	10.680	52.344
September	16.267	3.394	9.311	10.813	2.266	10.671	52.722
October	16.146	3.394	9.333	10.824	2.270	10.618	52.585
November	16.146	3.388	9.341	10.834	2.270	10.582	52.561
December	16.492	3.374	9.341	10.884	2.270	10.582	52.943
1952							
January	16.850	3.368	9.333	10.884	2.268	10.564	53.267
February	16.731	3.371	9.349	10.864	2.268	10.573	53.156
March	16.850	3.374	9.349	10.884	2.270	10.519	53.246
April	16.731	3.380	9.341	10.773	2.264	10.492	52.981
May	16.731	3.377	9.288	10.742	2.257	10.448	52.843
June	16.850	3.368	9.234	10.732	2.249	10.430	52.863
July	16.850	3.374	9.295	10.742	2.257	10.305	52.823
August	16.957	3.391	9.463	10.722	2.274	10.332	53.139
September	17.316	3.394	9.501	10.763	2.280	10.332	53.586
October	17.316	3.391	9.463	10.803	2.278	10.323	53.574
November	17.541	3.385	9.448	10.813	2.276	10.323	53.786
December	17.661	3.382	9.455	10.864	2.280	10.358	54.000
1953							
January	18.020	3.388	9.455	10.925	2.286	10.349	54.423
February	18.020	3.394	9.501	10.955	2.292	10.305	54.467
March	17.900	3.408	9.570	10.986	2.304	10.287	54.455
April	17.900	3.428	9.532	10.884	2.298	10.305	54.347
May	17.900	3.437	9.585	10.854	2.304	10.314	54.394
June	17.900	3.445	9.677	10.976	2.321	10.349	54.668
July	18.246	3.468	9.860	11.259	2.360	10.349	55.542
August	18.126	3.454	9.867	11.249	2.356	10.385	55.437
September	18.485	3.442	9.799	11.239	2.347	10.448	55.760
October	18.485	3.431	9.753	11.269	2.343	10.501	55.782
November	18.485	3.417	9.753	11.269	2.339	10.483	55.746
December	18.485	3.420	9.722	11.259	2.337	10.466	55.689

Continued

Table 22.--Costs of processing a hundred pounds of milk into butter and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	18.831	3.420	9.700	11.229	2.333	10.457	55.970
February	18.831	3.408	9.623	11.199	2.321	10.466	55.848
March	18.711	3.411	9.631	11.067	2.315	10.421	55.556
April	18.605	3.402	9.669	11.006	2.311	10.394	55.387
May	18.605	3.391	9.692	10.965	2.309	10.349	55.311
June	18.711	3.388	9.692	10.925	2.306	10.349	55.371
July	18.831	3.445	9.761	10.763	2.313	10.385	55.498
August	18.831	3.454	9.806	10.834	2.325	10.394	55.644
September	19.070	3.468	9.844	10.834	2.331	10.394	55.941
October	18.950	3.480	9.890	10.834	2.237	10.394	55.885
November	18.831	3.485	9.905	10.884	2.343	10.367	55.815
December	18.950	3.488	9.898	10.894	2.345	10.358	55.933
1955							
January	19.070	3.491	9.921	10.996	2.353	10.394	56.225
February	19.296	3.503	10.027	11.016	2.366	10.421	56.629
March	19.296	3.511	10.058	10.996	2.370	10.439	56.670
April	19.296	3.528	10.134	10.884	2.372	10.492	56.706
May	19.415	3.548	10.104	10.844	2.372	10.519	56.802
June	19.415	3.548	10.111	10.824	2.372	10.573	56.843
July	19.654	3.594	10.424	10.783	2.405	10.635	57.495
August	19.535	3.643	10.637	10.864	2.441	10.698	57.818
September	19.880	3.674	10.820	10.945	2.468	10.769	58.556
October	19.654	3.680	10.859	10.945	2.474	10.975	58.587
November	19.774	3.663	10.897	11.006	2.476	11.011	58.827
December	19.880	3.668	10.973	11.077	2.490	11.047	59.135
1956							
January	20.000	3.700	11.064	11.249	2.515	11.154	59.682
February	20.000	3.706	11.064	11.269	2.517	11.207	59.763
March	20.120	3.731	11.171	11.239	2.531	11.332	60.124
April	20.239	3.748	11.263	11.209	2.540	11.386	60.385
May	20.120	3.740	11.194	11.229	2.535	11.377	60.195
June	20.359	3.734	11.118	11.199	2.525	11.386	60.321
July	20.465	3.734	11.049	11.219	2.519	11.413	60.399
August	20.359	3.760	11.453	11.239	2.562	11.431	60.804
September	20.585	3.746	11.583	11.259	2.570	11.431	61.174
October	20.585	3.746	11.606	11.320	2.576	11.449	61.282
November	20.704	3.740	11.598	11.269	2.572	11.422	61.305
December	20.943	3.731	11.613	11.553	2.589	11.440	61.869
1957							
January	21.169	3.731	11.606	11.786	2.603	11.493	62.388
February	21.050	3.731	11.545	12.121	2.619	11.484	62.550
March	21.289	3.731	11.514	12.080	2.615	11.502	62.731
April	21.169	3.737	11.446	12.111	2.611	11.493	62.567
May	21.289	3.737	11.438	12.009	2.605	11.520	62.598
June	21.409	3.737	11.484	11.878	2.599	11.520	62.627
July	21.634	3.757	11.621	11.796	2.611	11.574	62.993
August	21.634	3.751	11.682	11.786	2.615	11.610	63.078
September	21.874	3.743	11.606	11.766	2.605	11.627	63.221
October	21.754	3.723	11.499	11.736	2.585	11.699	62.996
November	21.874	3.720	11.469	11.726	2.589	11.699	63.077
December	21.993	3.720	11.476	11.776	2.589	11.708	63.262
Weighted average 2/	21.422	3.737	11.522	11.918	2.605	11.547	62.751

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Butter-Nonfat Dry Milk

$$\text{Labor} = \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{21.422}{161.2} = .132890$$

$$\text{Building} = \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{3.737}{130.7} = .028592$$

$$\text{Equipment} = \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{11.522}{151.1} = .076254$$

$$\text{Utilities} = \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{11.918}{117.6} = .101344$$

$$\text{Consumable supply} = \frac{\text{Weighted average consumable supply costs, 1957}}{\begin{array}{l}\text{Weighted average index of combined indices for building material,}\\ \text{fuel and lighting material, and metals and metal products, 1957}\end{array}} = \frac{2.605}{133.1} = .019572$$

$$\text{Packaging supply} = \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for pulp, paper, and allied products, 1957}} = \frac{11.547}{129.2} = .089373$$

Table 23.--Costs of processing a hundred pounds of milk into butter and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost	Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948								1951							
January	12.551	2.294	7.744	6.728	1.847	1.281	32.445	January	15.350	2.738	9.931	6.779	2.138	1.509	38.445
February	12.850	2.305	7.824	6.773	1.860	1.295	32.907	February	15.467	2.749	9.907	6.843	2.145	1.514	38.625
March	12.798	2.319	7.896	6.767	1.869	1.291	32.940	March	15.584	2.752	9.867	6.837	2.141	1.511	38.692
April	12.915	2.323	8.081	6.786	1.885	1.289	33.279	April	15.467	2.754	9.867	6.786	2.138	1.504	38.516
May	13.058	2.335	8.049	6.792	1.887	1.286	33.407	May	15.467	2.749	9.867	6.767	2.134	1.505	38.489
June	13.019	2.349	8.065	6.811	1.895	1.288	33.427	June	15.584	2.733	9.827	6.773	2.127	1.510	38.554
July	13.254	2.380	8.217	6.900	1.922	1.293	33.966	July	15.818	2.720	9.795	6.786	2.123	1.510	38.752
August	13.332	2.431	8.705	6.862	1.970	1.298	34.598	August	15.584	2.708	9.787	6.773	2.118	1.501	38.471
September	13.618	2.437	8.761	6.856	1.975	1.299	34.946	September	15.936	2.704	9.779	6.798	2.118	1.500	38.835
October	13.605	2.428	8.801	6.881	1.979	1.299	34.993	October	15.818	2.704	9.803	6.805	2.121	1.492	38.743
November	13.631	2.421	8.866	6.888	1.982	1.298	35.086	November	15.818	2.699	9.811	6.811	2.121	1.487	38.747
December	13.683	2.412	8.890	6.856	1.979	1.296	35.116	December	16.157	2.688	9.811	6.843	2.121	1.487	39.107
1949								1952							
January	13.905	2.401	8.906	6.824	1.973	1.295	35.304	January	16.508	2.683	9.803	6.843	2.119	1.485	39.441
February	13.905	2.390	8.817	6.728	1.955	1.291	35.086	February	16.391	2.686	9.819	6.830	2.119	1.486	39.331
March	13.878	2.378	8.729	6.614	1.933	1.283	34.815	March	16.508	2.688	9.819	6.843	2.121	1.479	39.458
April	13.905	2.355	8.473	6.499	1.896	1.266	34.394	April	16.391	2.692	9.811	6.773	2.116	1.475	39.258
May	13.813	2.333	8.265	6.423	1.867	1.246	33.947	May	16.391	2.690	9.754	6.754	2.108	1.468	39.165
June	13.826	2.312	8.153	6.391	1.851	1.222	33.755	June	16.508	2.683	9.698	6.748	2.101	1.466	39.204
July	13.970	2.285	8.145	6.378	1.842	1.206	33.826	July	16.508	2.688	9.762	6.754	2.108	1.448	39.268
August	13.931	2.271	8.177	6.372	1.840	1.202	33.793	August	16.612	2.702	9.939	6.741	2.125	1.452	39.571
September	14.269	2.276	8.241	6.403	1.849	1.207	34.245	September	16.964	2.704	9.979	6.767	2.130	1.452	39.996
October	14.204	2.282	8.225	6.454	1.854	1.207	34.226	October	16.964	2.702	9.939	6.792	2.129	1.451	39.977
November	14.087	2.292	8.249	6.442	1.860	1.210	34.140	November	17.185	2.697	9.923	6.798	2.127	1.451	40.181
December	14.113	2.305	8.281	6.429	1.862	1.211	34.201	December	17.303	2.695	9.931	6.830	2.130	1.456	40.345
1950								1953							
January	14.334	2.326	8.353	6.461	1.876	1.210	34.560	January	17.654	2.699	9.931	6.869	2.136	1.455	40.744
February	14.360	2.351	8.401	6.486	1.889	1.208	34.695	February	17.654	2.704	9.979	6.888	2.141	1.448	40.814
March	14.321	2.371	8.393	6.467	1.893	1.206	34.651	March	17.537	2.715	10.051	6.907	2.152	1.446	40.808
April	14.308	2.385	8.425	6.416	1.893	1.206	34.633	April	17.537	2.731	10.011	6.843	2.147	1.448	40.717
May	14.230	2.421	8.537	6.480	1.918	1.202	34.788	May	17.537	2.738	10.067	6.824	2.152	1.450	40.768
June	14.217	2.449	8.713	6.525	1.942	1.205	35.051	June	17.537	2.745	10.163	6.900	2.169	1.455	40.969
July	14.477	2.485	8.745	6.582	1.960	1.229	35.478	July	17.875	2.763	10.355	7.079	2.205	1.455	41.732
August	14.399	2.551	8.874	6.614	1.991	1.274	35.703	August	17.758	2.752	10.363	7.072	2.202	1.460	41.607
September	14.568	2.606	9.074	6.658	2.024	1.301	36.231	September	18.110	2.743	10.291	7.066	2.193	1.468	41.871
October	14.608	2.638	9.298	6.684	2.054	1.348	36.630	October	18.110	2.733	10.243	7.085	2.189	1.476	41.836
November	14.712	2.649	9.426	6.716	2.068	1.381	36.952	November	18.110	2.722	10.243	7.085	2.185	1.474	41.819
December	14.920	2.695	9.762	6.671	2.103	1.437	37.588	December	18.110	2.724	10.211	7.079	2.183	1.471	41.778

Continued

Table 23.--Costs of processing a hundred pounds of milk into butter and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	18.448	2.724	10.187	7.060	2.180	1.470	42.069
February	18.448	2.715	10.107	7.041	2.169	1.471	41.951
March	18.331	2.718	10.115	6.958	2.163	1.465	41.750
April	18.227	2.711	10.155	6.920	2.160	1.461	41.634
May	18.227	2.702	10.179	6.894	2.158	1.455	41.615
June	18.331	2.699	10.179	6.869	2.154	1.455	41.687
July	18.448	2.745	10.251	6.767	2.162	1.460	41.833
August	18.448	2.752	10.299	6.811	2.172	1.461	41.943
September	18.683	2.763	10.339	6.811	2.178	1.461	42.235
October	18.565	2.772	10.387	6.811	2.183	1.461	42.179
November	18.448	2.777	10.403	6.843	2.189	1.457	42.117
December	18.565	2.779	10.395	6.849	2.191	1.456	42.235
1955							
January	18.683	2.781	10.419	6.913	2.198	1.461	42.455
February	18.904	2.790	10.531	6.926	2.211	1.465	42.827
March	18.904	2.797	10.563	6.913	2.215	1.467	42.859
April	18.904	2.811	10.643	6.843	2.216	1.475	42.892
May	19.021	2.827	10.611	6.818	2.216	1.479	42.972
June	19.021	2.827	10.619	6.805	2.216	1.486	42.974
July	19.255	2.863	10.948	6.779	2.247	1.495	43.587
August	19.138	2.902	11.172	6.830	2.280	1.504	43.826
September	19.477	2.927	11.364	6.881	2.306	1.514	44.469
October	19.255	2.932	11.404	6.881	2.311	1.543	44.326
November	19.373	2.918	11.444	6.920	2.313	1.548	44.516
December	19.477	2.923	11.524	6.964	2.326	1.553	44.767
1956							
January	19.594	2.948	11.620	7.072	2.350	1.568	45.152
February	19.594	2.952	11.620	7.085	2.352	1.575	45.178
March	19.711	2.973	11.733	7.066	2.365	1.593	45.441
April	19.828	2.986	11.829	7.047	2.374	1.600	45.664
May	19.711	2.979	11.757	7.060	2.368	1.599	45.474
June	19.945	2.975	11.677	7.041	2.359	1.600	45.597
July	20.050	2.975	11.604	7.053	2.354	1.604	45.640
August	19.945	2.995	12.029	7.066	2.394	1.607	46.036
September	20.167	2.984	12.165	7.079	2.401	1.607	46.403
October	20.167	2.984	12.189	7.117	2.407	1.609	46.473
November	20.284	2.979	12.181	7.085	2.403	1.605	46.537
December	20.518	2.973	12.197	7.264	2.419	1.608	46.979
1957							
January	20.740	2.973	12.189	7.410	2.432	1.615	47.359
February	20.622	2.973	12.125	7.620	2.447	1.614	47.401
March	20.857	2.973	12.093	7.595	2.443	1.617	47.578
April	20.740	2.977	12.021	7.614	2.439	1.615	47.406
May	20.857	2.977	12.013	7.550	2.434	1.619	47.450
June	20.974	2.977	12.061	7.468	2.429	1.619	47.528
July	21.195	2.993	12.205	7.417	2.439	1.627	47.876
August	21.195	2.989	12.269	7.410	2.443	1.632	47.938
September	21.430	2.982	12.189	7.397	2.434	1.634	48.066
October	21.312	2.966	12.077	7.378	2.416	1.644	47.793
November	21.430	2.964	12.045	7.372	2.419	1.644	47.874
December	21.547	2.964	12.053	7.404	2.419	1.646	48.033
Weighted average 2/	20.987	2.977	12.101	7.493	2.434	1.623	47.615

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Butter-Condensed Skim

$$\text{Labor} = \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{20.987}{161.2} = .130192$$

$$\text{Building} = \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{2.977}{130.7} = .022779$$

$$\text{Equipment} = \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{12.101}{151.1} = .080086$$

$$\text{Utilities} = \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{7.493}{117.6} = .063716$$

$$\text{Consumable supply} = \frac{\text{Weighted average consumable supply costs, 1957}}{\begin{array}{l}\text{Weighted average index of combined indices for building material,}\\ \text{fuel and lighting material, and metals and metal products, 1957}\end{array}} = \frac{2.434}{133.1} = .018287$$

$$\text{Packaging supply} = \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for pulp, paper, and allied products, 1957}} = \frac{1.623}{129.2} = .012562$$

Table 24.--Costs of processing a hundred pounds of milk into butter and creamed cottage cheese, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	11.713	1.690	6.086	3.343	2.443	12.395	37.670
February	11.993	1.698	6.149	3.365	2.460	12.395	38.060
March	11.944	1.708	6.206	3.362	2.472	12.395	38.087
April	12.053	1.711	6.350	3.372	2.493	12.395	38.374
May	12.187	1.720	6.325	3.375	2.496	12.395	38.498
June	12.151	1.730	6.338	3.384	2.506	12.395	38.504
July	12.369	1.753	6.457	3.429	2.542	12.395	38.945
August	12.442	1.790	6.841	3.410	2.605	12.618	39.706
September	12.710	1.795	6.885	3.406	2.612	12.618	40.026
October	12.697	1.789	6.917	3.419	2.617	12.618	40.057
November	12.722	1.784	6.967	3.422	2.622	12.618	40.135
December	12.770	1.777	6.986	3.406	2.617	12.618	40.174
1949							
January	12.977	1.769	6.999	3.391	2.610	14.099	41.845
February	12.977	1.760	6.929	3.343	2.585	14.099	41.693
March	12.953	1.752	6.860	3.286	2.556	14.099	41.506
April	12.977	1.735	6.659	3.229	2.510	14.099	41.209
May	12.892	1.718	6.495	3.191	2.469	14.099	40.864
June	12.904	1.703	6.407	3.175	2.448	14.099	40.736
July	13.038	1.683	6.401	3.169	2.435	14.099	40.825
August	13.001	1.673	6.426	3.166	2.433	14.099	40.798
September	13.317	1.676	6.476	3.182	2.445	14.099	41.195
October	13.256	1.681	6.464	3.207	2.452	14.099	41.159
November	13.147	1.688	6.483	3.201	2.457	14.099	41.075
December	13.171	1.698	6.508	3.194	2.462	14.099	41.132
1950							
January	13.378	1.713	6.564	3.210	2.481	13.865	41.211
February	13.402	1.732	6.602	3.223	2.498	13.865	41.322
March	13.366	1.747	6.596	3.213	2.503	13.865	41.290
April	13.354	1.757	6.621	3.188	2.503	13.865	41.288
May	13.281	1.784	6.709	3.220	2.537	13.865	41.396
June	13.269	1.804	6.848	3.242	2.568	13.865	41.596
July	13.512	1.831	6.873	3.270	2.593	13.865	41.944
August	13.439	1.879	6.974	3.286	2.634	13.865	42.077
September	13.597	1.920	7.131	3.308	2.677	13.865	42.498
October	13.633	1.943	7.307	3.321	2.716	13.865	42.785
November	13.730	1.951	7.408	3.337	2.735	13.865	43.026
December	13.925	1.985	7.672	3.315	2.781	13.865	43.543
1951							
January	14.326	2.017	7.804	3.368	2.827	13.865	44.207
February	14.435	2.025	7.785	3.400	2.837	15.568	46.050
March	14.544	2.027	7.754	3.397	2.832	15.568	46.122
April	14.435	2.029	7.754	3.372	2.827	15.568	45.985
May	14.435	2.025	7.754	3.362	2.822	15.568	45.966
June	14.544	2.013	7.722	3.365	2.813	15.568	46.025
July	14.763	2.003	7.697	3.372	2.808	15.568	46.211
August	14.544	1.995	7.691	3.365	2.801	15.568	45.964
September	14.872	1.992	7.685	3.378	2.801	15.568	46.296
October	14.763	1.992	7.704	3.381	2.805	15.568	46.213
November	14.763	1.988	7.710	3.384	2.805	15.568	46.218
December	15.079	1.980	7.710	3.400	2.805	15.568	46.542
1952							
January	15.407	1.977	7.704	3.400	2.803	15.568	46.859
February	15.298	1.978	7.716	3.394	2.803	15.568	46.757
March	15.407	1.980	7.716	3.400	2.805	15.568	46.876
April	15.298	1.983	7.710	3.365	2.798	15.568	46.722
May	15.298	1.982	7.666	3.356	2.789	15.568	46.659
June	15.407	1.977	7.622	3.353	2.779	15.568	46.706
July	15.407	1.980	7.672	3.356	2.789	15.568	46.772
August	15.504	1.990	7.811	3.349	2.810	16.136	47.600
September	15.832	1.992	7.842	3.362	2.818	16.136	47.982
October	15.832	1.990	7.811	3.375	2.815	16.136	47.959
November	16.039	1.987	7.798	3.378	2.813	16.136	48.151
December	16.148	1.985	7.804	3.394	2.818	16.136	48.285
1953							
January	16.476	1.988	7.804	3.413	2.825	16.136	48.642
February	16.476	1.992	7.842	3.422	2.832	16.136	48.700
March	16.367	2.000	7.899	3.432	2.847	16.136	48.681
April	16.367	2.012	7.867	3.400	2.839	16.136	48.621
May	16.367	2.017	7.911	3.391	2.847	16.136	48.669
June	16.367	2.022	7.987	3.429	2.868	16.136	48.809
July	16.683	2.035	8.138	3.517	2.917	16.136	49.426
August	16.574	2.027	8.144	3.514	2.912	16.136	49.307
September	16.902	2.020	8.088	3.511	2.900	16.136	49.557
October	16.902	2.013	8.050	3.520	2.895	16.136	49.516
November	16.902	2.005	8.050	3.520	2.890	16.136	49.503
December	16.902	2.007	8.025	3.517	2.888	16.136	49.475

Continued

Table 24.--Costs of processing a hundred pounds of milk into butter and creamed cottage cheese, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	17.218	2.007	8.006	3.508	2.883	16.136	49.758
February	17.218	2.000	7.943	3.498	2.868	16.136	49.663
March	17.108	2.002	7.949	3.457	2.861	16.136	49.513
April	17.011	1.997	7.981	3.438	2.856	16.136	49.419
May	17.011	1.990	7.999	3.425	2.854	16.136	49.415
June	17.108	1.988	7.999	3.413	2.849	16.136	49.493
July	17.218	2.022	8.056	3.362	2.859	16.136	49.653
August	17.218	2.027	8.094	3.384	2.873	16.136	49.732
September	17.436	2.035	8.125	3.384	2.880	16.136	49.996
October	17.327	2.042	8.163	3.384	2.888	16.371	50.175
November	17.218	2.045	8.176	3.400	2.895	16.371	50.105
December	17.327	2.047	8.169	3.403	2.897	16.371	50.214
1955							
January	17.436	2.049	8.188	3.435	2.907	16.371	50.386
February	17.643	2.055	8.276	3.441	2.924	16.371	50.710
March	17.643	2.060	8.302	3.435	2.929	16.371	50.740
April	17.643	2.071	8.364	3.400	2.931	16.371	50.780
May	17.752	2.082	8.339	3.387	2.931	16.371	50.862
June	17.752	2.082	8.346	3.381	2.931	16.371	50.863
July	17.971	2.109	8.604	3.368	2.972	16.371	51.395
August	17.862	2.138	8.780	3.394	3.016	16.371	51.561
September	18.177	2.156	8.931	3.419	3.050	16.371	52.104
October	17.971	2.159	8.962	3.419	3.057	17.272	52.840
November	18.080	2.149	8.994	3.438	3.059	17.272	52.992
December	18.177	2.153	9.057	3.460	3.076	17.272	53.195
1956							
January	18.287	2.171	9.132	3.514	3.108	17.272	53.484
February	18.287	2.175	9.132	3.520	3.110	17.272	53.496
March	18.396	2.190	9.220	3.511	3.127	17.272	53.716
April	18.506	2.200	9.296	3.501	3.139	17.272	53.914
May	18.396	2.195	9.239	3.508	3.132	18.173	54.643
June	18.615	2.191	9.176	3.498	3.120	18.173	54.773
July	18.712	2.191	9.120	3.505	3.113	18.173	54.814
August	18.615	2.206	9.453	3.511	3.166	18.173	55.124
September	18.821	2.198	9.560	3.517	3.175	18.173	55.444
October	18.821	2.198	9.579	3.536	3.183	18.173	55.490
November	18.931	2.195	9.573	3.520	3.178	18.408	55.805
December	19.150	2.190	9.585	3.609	3.200	18.408	56.142
1957							
January	19.356	2.190	9.579	3.682	3.217	18.408	56.432
February	19.247	2.190	9.529	3.786	3.236	18.408	56.396
March	19.465	2.190	9.504	3.774	3.231	18.408	56.572
April	19.356	2.193	9.447	3.783	3.226	18.408	56.413
May	19.465	2.193	9.441	3.751	3.219	19.198	57.267
June	19.575	2.193	9.478	3.710	3.212	19.198	57.366
July	19.781	2.205	9.592	3.685	3.226	19.198	57.687
August	19.781	2.201	9.642	3.682	3.231	19.198	57.735
September	20.000	2.196	9.579	3.675	3.219	19.198	57.867
October	19.891	2.185	9.491	3.666	3.195	19.198	57.626
November	20.000	2.183	9.466	3.663	3.200	19.198	57.710
December	20.109	2.183	9.472	3.679	3.200	19.198	57.841
Weighted average 2/	19.587	2.193	9.510	3.723	3.219	18.914	57.146

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Butter-Creamed Cottage Cheese.

Labor $= \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{19.587}{161.2} = .121507$

Building $= \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{2.193}{130.7} = .016779$

Equipment $= \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{9.510}{151.1} = .062938$

Utilities $= \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{3.723}{117.6} = .031658$

Consumable supply $= \frac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \frac{3.219}{133.1} = .024185$

Packaging supply $= \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index of tinplate (electrolytic process), 1957}} = \frac{18.914}{153.2} = .123460$

Table 25.--Costs of processing a hundred pounds of milk into cream and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost	Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948								1951							
January	11.620	2.919	7.699	10.749	1.906	8.086	42.979	January	14.212	3.485	9.872	10.830	2.206	9.521	50.126
February	11.897	2.934	7.778	10.820	1.919	8.173	43.521	February	14.320	3.499	9.848	10.932	2.214	9.552	50.365
March	11.849	2.951	7.850	10.810	1.929	8.149	43.538	March	14.429	3.502	9.809	10.922	2.210	9.536	50.408
April	11.957	2.957	8.033	10.840	1.946	8.133	43.866	April	14.320	3.505	9.809	10.840	2.206	9.489	50.169
May	12.090	2.971	8.001	10.850	1.948	8.117	43.977	May	14.320	3.499	9.809	10.810	2.202	9.497	50.137
June	12.054	2.989	8.017	10.881	1.955	8.125	44.021	June	14.429	3.479	9.769	10.820	2.195	9.528	50.220
July	12.271	3.029	8.169	11.023	1.984	8.157	44.633	July	14.645	3.461	9.737	10.840	2.191	9.528	50.402
August	12.343	3.093	8.654	10.962	2.033	8.189	45.274	August	14.429	3.447	9.729	10.820	2.185	9.473	50.083
September	12.608	3.102	8.710	10.952	2.038	8.197	45.607	September	14.754	3.441	9.721	10.861	2.185	9.465	50.427
October	12.596	3.090	8.750	10.993	2.042	8.197	45.668	October	14.645	3.441	9.745	10.871	2.189	9.418	50.309
November	12.620	3.082	8.831	11.003	2.046	8.189	45.771	November	14.645	3.435	9.753	10.881	2.189	9.386	50.289
December	12.669	3.070	8.837	10.952	2.042	8.181	45.751	December	14.959	3.421	9.753	10.932	2.197	9.386	50.648
1949								1952							
January	12.874	3.056	8.853	10.901	2.036	8.173	45.893	January	15.284	3.415	9.745	10.932	2.187	9.370	50.933
February	12.874	3.041	8.766	10.749	2.018	8.149	45.597	February	15.176	3.418	9.761	10.911	2.187	9.378	50.831
March	12.849	3.027	8.678	10.565	1.995	8.094	45.208	March	15.284	3.421	9.761	10.932	2.189	9.330	50.917
April	12.874	2.998	8.423	10.382	1.957	7.991	44.625	April	15.176	3.427	9.753	10.820	2.184	9.307	50.667
May	12.789	2.969	8.216	10.260	1.927	7.864	44.025	May	15.176	3.424	9.697	10.789	2.176	9.267	50.529
June	12.801	2.942	8.105	10.209	1.910	7.713	43.680	June	15.284	3.415	9.641	10.779	2.169	9.251	50.539
July	12.934	2.908	8.097	10.189	1.901	7.610	43.639	July	15.284	3.421	9.705	10.789	2.176	9.140	50.515
August	12.898	2.890	8.129	10.179	1.899	7.586	43.581	August	15.381	3.438	9.880	10.769	2.193	9.164	50.825
September	13.211	2.896	8.192	10.229	1.908	7.618	44.054	September	15.706	3.441	9.920	10.810	2.199	9.164	51.240
October	13.151	2.905	8.177	10.311	1.914	7.618	44.076	October	15.706	3.438	9.880	10.850	2.197	9.156	51.227
November	13.042	2.916	8.200	10.291	1.917	7.634	44.000	November	15.911	3.432	9.864	10.861	2.195	9.156	51.419
December	13.066	2.934	8.232	10.270	1.921	7.642	44.065	December	16.020	3.430	9.872	10.911	2.199	9.188	51.620
1950								1953							
January	13.271	2.960	8.304	10.321	1.936	7.634	44.426	January	16.345	3.435	9.872	10.973	2.204	9.180	52.009
February	13.295	2.992	8.352	10.362	1.950	7.626	44.577	February	16.345	3.441	9.920	11.003	2.210	9.140	52.059
March	13.259	3.018	8.344	10.331	1.953	7.610	44.515	March	16.237	3.456	9.992	11.034	2.221	9.124	52.064
April	13.247	3.035	8.376	10.250	1.953	7.610	44.471	April	16.237	3.476	9.952	10.932	2.216	9.140	51.953
May	13.175	3.082	8.487	10.352	1.980	7.586	44.662	May	16.237	3.485	10.008	10.901	2.221	9.148	52.000
June	13.163	3.116	8.662	10.423	2.004	7.602	44.970	June	16.237	3.493	10.103	11.023	2.238	9.180	52.274
July	13.404	3.163	8.694	10.514	2.023	7.753	45.551	July	16.550	3.516	10.294	11.308	2.276	9.180	53.124
August	13.332	3.247	8.821	10.565	2.055	8.038	46.058	August	16.442	3.502	10.302	11.298	2.272	9.211	53.027
September	13.488	3.316	9.020	10.637	2.089	8.213	46.763	September	16.767	3.490	10.231	11.288	2.263	9.267	53.306
October	13.524	3.357	9.243	10.677	2.119	8.506	47.426	October	16.767	3.479	10.183	11.319	2.259	9.314	53.321
November	13.621	3.372	9.371	10.728	2.135	8.712	47.939	November	16.767	3.464	10.183	11.319	2.255	9.299	53.287
December	13.814	3.430	9.705	10.657	2.170	9.069	48.845	December	16.767	3.467	10.151	11.308	2.253	9.283	53.229

Continued

Table 25.--Costs of processing a hundred pounds of milk into cream and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	17.080	3.467	10.127	11.278	2.250	9.275	53.477
February	17.080	3.456	10.048	11.247	2.238	9.283	53.352
March	16.972	3.459	10.056	11.115	2.233	9.243	53.078
April	16.875	3.450	10.095	11.054	2.229	9.219	52.922
May	16.875	3.438	10.119	11.013	2.227	9.180	52.852
June	16.972	3.435	10.119	10.973	2.223	9.180	52.902
July	17.080	3.493	10.191	10.810	2.231	9.211	53.016
August	17.080	3.502	10.239	10.881	2.242	9.219	53.163
September	17.297	3.516	10.278	10.881	2.248	9.219	53.439
October	17.189	3.528	10.326	10.881	2.253	9.219	53.396
November	17.080	3.534	10.342	10.932	2.259	9.196	53.343
December	17.189	3.537	10.334	10.942	2.242	9.188	53.432
1955							
January	17.297	3.540	10.358	11.044	2.269	9.219	53.727
February	17.502	3.551	10.470	11.064	2.282	9.243	54.112
March	17.502	3.560	10.501	11.044	2.286	9.259	54.152
April	17.502	3.577	10.581	10.932	2.287	9.307	54.186
May	17.611	3.598	10.549	10.891	2.287	9.330	54.266
June	17.611	3.598	10.557	10.871	2.287	9.378	54.302
July	17.828	3.644	10.884	10.830	2.319	9.433	54.938
August	17.719	3.693	11.106	10.911	2.353	9.489	55.271
September	18.033	3.725	11.298	10.993	2.380	9.552	55.981
October	17.828	3.731	11.337	10.993	2.386	9.735	56.010
November	17.936	3.714	11.377	11.054	2.387	9.766	56.234
December	18.033	3.719	11.457	11.125	2.401	9.798	56.533
1956							
January	18.141	3.751	11.552	11.298	2.425	9.893	57.060
February	18.141	3.757	11.552	11.319	2.427	9.941	57.137
March	18.250	3.783	11.664	11.288	2.440	10.052	57.477
April	18.358	3.801	11.759	11.258	2.450	10.099	57.725
May	18.250	3.792	11.688	11.278	2.444	10.091	57.543
June	18.467	3.786	11.608	11.247	2.435	10.099	57.642
July	18.563	3.786	11.536	11.268	2.429	10.123	57.705
August	18.467	3.812	11.958	11.288	2.470	10.139	58.134
September	18.671	3.798	12.094	11.308	2.478	10.139	58.488
October	18.671	3.798	12.118	11.268	2.484	10.155	58.494
November	18.780	3.792	12.110	11.319	2.480	10.131	58.612
December	18.997	3.783	12.126	11.604	2.497	10.147	59.154
1957							
January	19.202	3.783	12.118	11.838	2.510	10.194	59.645
February	19.093	3.783	12.054	12.174	2.525	10.186	59.815
March	19.310	3.783	12.022	12.133	2.521	10.202	59.971
April	19.202	3.789	11.950	12.163	2.518	10.194	59.816
May	19.310	3.789	11.942	12.062	2.512	10.218	59.833
June	19.419	3.789	11.990	11.929	2.506	10.218	59.851
July	19.624	3.809	12.133	11.848	2.518	10.266	60.198
August	19.624	3.803	12.197	11.838	2.521	10.297	60.280
September	19.841	3.795	12.118	11.817	2.512	10.313	60.396
October	19.732	3.774	12.006	11.787	2.493	10.377	60.169
November	19.841	3.772	11.974	11.777	2.493	10.377	60.234
December	19.949	3.772	11.982	11.838	2.510	10.385	60.426
Weighted average 2/	19.431	3.789	12.030	11.970	2.512	10.242	59.974

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Cream-Nonfat Dry Milk

Labor $= \dfrac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \dfrac{19.431}{161.2} = .120539$

Building $= \dfrac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \dfrac{3.789}{130.7} = .028990$

Equipment $= \dfrac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \dfrac{12.030}{151.1} = .079616$

Utilities $= \dfrac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \dfrac{11.970}{117.6} = .101786$

Consumable supply $= \dfrac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \dfrac{2.512}{133.1} = .018873$

Packaging supply $= \dfrac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for pulp, paper, and allied products, 1957}} = \dfrac{10.242}{129.2} = .079272$

Table 26.--Costs of processing a hundred pounds of milk into cream and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	11.456	2.120	7.835	7.177	1.777	0.122	30.487
February	11.729	2.130	7.916	7.225	1.790	.123	30.913
March	11.681	2.143	7.988	7.218	1.798	.125	30.953
April	11.788	2.147	8.175	7.238	1.814	.128	31.290
May	11.919	2.157	8.142	7.245	1.816	.127	31.406
June	11.883	2.170	8.159	7.266	1.823	.127	31.428
July	12.097	2.200	8.313	7.361	1.849	.130	31.950
August	12.168	2.246	8.807	7.320	1.895	.137	32.573
September	12.430	2.252	8.863	7.313	1.900	.138	32.896
October	12.418	2.244	8.904	7.340	1.904	.139	32.949
November	12.442	2.237	8.969	7.347	1.907	.140	33.042
December	12.489	2.229	8.993	7.313	1.904	.140	33.068
1949							
January	12.691	2.218	9.009	7.279	1.899	.141	33.237
February	12.691	2.208	8.920	7.177	1.881	.139	33.016
March	12.668	2.197	8.831	7.055	1.860	.138	32.749
April	12.691	2.176	8.572	6.933	1.825	.134	32.331
May	12.608	2.155	8.361	6.851	1.797	.130	31.902
June	12.620	2.136	8.248	6.817	1.781	.129	31.731
July	12.751	2.111	8.240	6.803	1.772	.129	31.806
August	12.715	2.098	8.272	6.797	1.770	.129	31.781
September	13.024	2.103	8.337	6.831	1.779	.130	32.204
October	12.965	2.109	8.321	6.885	1.784	.130	32.194
November	12.858	2.117	8.345	6.871	1.788	.130	32.109
December	12.881	2.130	8.377	6.858	1.791	.131	32.168
1950							
January	13.084	2.149	8.450	6.892	1.805	.132	32.512
February	13.107	2.172	8.499	6.919	1.818	.133	32.648
March	13.072	2.191	8.491	6.899	1.821	.132	32.606
April	13.060	2.204	8.523	6.844	1.821	.133	32.585
May	12.988	2.237	8.637	6.912	1.846	.135	32.755
June	12.977	2.263	8.815	6.960	1.869	.138	33.022
July	13.214	2.296	8.847	7.021	1.886	.138	33.402
August	13.143	2.357	8.977	7.055	1.916	.140	33.588
September	13.297	2.408	9.179	7.103	1.948	.143	34.078
October	13.333	2.437	9.406	7.130	1.976	.147	34.429
November	13.428	2.448	9.536	7.164	1.990	.149	34.715
December	13.618	2.490	9.876	7.116	2.024	.154	35.278
1951							
January	14.010	2.530	10.046	7.232	2.057	0.157	36.032
February	14.117	2.540	10.022	7.300	2.064	.156	36.199
March	14.224	2.543	9.982	7.293	2.060	.156	36.258
April	14.117	2.545	9.982	7.238	2.057	.156	36.095
May	14.117	2.540	9.982	7.218	2.053	.156	36.066
June	14.224	2.526	9.941	7.225	2.046	.155	36.117
July	14.438	2.513	9.909	7.238	2.043	.155	36.296
August	14.224	2.503	9.901	7.225	2.038	.154	36.045
September	14.545	2.498	9.892	7.252	2.038	.154	36.379
October	14.438	2.498	9.917	7.259	2.041	.155	36.308
November	14.438	2.494	9.925	7.266	2.041	.155	36.319
December	14.747	2.484	9.925	7.300	2.041	.155	36.652
1952							
January	15.068	2.479	9.917	7.300	2.039	.155	36.958
February	14.961	2.482	9.933	7.286	2.039	.155	36.856
March	15.068	2.484	9.933	7.300	2.041	.155	36.981
April	14.961	2.488	9.925	7.225	2.036	.155	36.790
May	14.961	2.486	9.868	7.205	2.029	.154	36.703
June	15.068	2.479	9.811	7.198	2.022	.153	36.731
July	15.068	2.484	9.876	7.205	2.029	.154	36.816
August	15.163	2.496	10.054	7.191	2.045	.157	37.106
September	15.484	2.498	10.095	7.218	2.050	.157	37.502
October	15.484	2.496	10.054	7.245	2.048	.157	37.484
November	15.686	2.492	10.038	7.252	2.046	.157	37.671
December	15.793	2.490	10.046	7.286	2.050	.157	37.822
1953							
January	16.114	2.494	10.046	7.327	2.055	.157	38.193
February	16.114	2.498	10.095	7.347	2.060	.157	38.271
March	16.007	2.509	10.168	7.368	2.071	.159	38.282
April	16.007	2.524	10.127	7.300	2.066	.158	38.182
May	16.007	2.530	10.184	7.279	2.071	.159	38.230
June	16.007	2.536	10.281	7.361	2.087	.160	38.432
July	16.316	2.553	10.476	7.551	2.122	.163	39.181
August	16.209	2.543	10.484	7.544	2.119	.164	39.063
September	16.530	2.534	10.411	7.538	2.110	.162	39.285
October	16.530	2.526	10.508	7.558	2.106	.162	39.390
November	16.530	2.515	10.508	7.558	2.103	.162	39.376
December	16.530	2.517	10.330	7.551	2.101	.161	39.190

Continued

Table 26.--Costs of processing a hundred pounds of milk into cream and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	16.839	2.517	10.306	7.531	2.097	0.161	39.451
February	16.839	2.509	10.225	7.510	2.087	.160	39.330
March	16.732	2.511	10.233	7.422	2.082	.160	39.140
April	16.637	2.505	10.273	7.381	2.078	.160	39.034
May	16.637	2.496	10.298	7.354	2.076	.161	39.022
June	16.732	2.494	10.298	7.327	2.073	.161	39.085
July	16.839	2.536	10.370	7.218	2.080	.162	39.205
August	16.839	2.543	10.419	7.266	2.090	.163	39.320
September	17.053	2.553	10.460	7.266	2.096	.163	39.591
October	16.946	2.562	10.508	7.266	2.101	.164	39.547
November	16.839	2.566	10.524	7.300	2.106	.164	39.499
December	16.946	2.568	10.516	7.306	2.108	.164	39.608
1955							
January	17.053	2.570	10.541	7.374	2.115	.164	39.817
February	17.255	2.578	10.654	7.388	2.127	.166	40.168
March	17.255	2.585	10.686	7.374	2.131	.167	40.198
April	17.255	2.597	10.767	7.300	2.133	.168	40.220
May	17.362	2.612	10.735	7.272	2.133	.167	40.281
June	17.362	2.612	10.743	7.259	2.133	.168	40.277
July	17.575	2.646	11.075	7.232	2.163	.173	40.864
August	17.468	2.682	11.302	7.286	2.194	.176	41.108
September	17.777	2.705	11.497	7.340	2.219	.179	41.717
October	17.575	2.709	11.537	7.340	2.224	.180	41.565
November	17.682	2.696	11.578	7.381	2.226	.181	41.744
December	17.777	2.700	11.659	7.429	2.238	.182	41.985
1956							
January	17.884	2.724	11.756	7.544	2.261	0.183	42.352
February	17.884	2.728	11.756	7.558	2.263	.183	42.372
March	17.991	2.747	11.869	7.538	2.275	.185	42.605
April	18.098	2.759	11.967	7.517	2.294	.187	42.812
May	17.991	2.753	11.894	7.531	2.279	.186	42.634
June	18.205	2.749	11.813	7.510	2.270	.184	42.731
July	18.300	2.749	11.740	7.524	2.265	.183	42.761
August	18.205	2.768	12.169	7.538	2.303	.190	43.173
September	18.407	2.757	12.307	7.551	2.310	.192	43.524
October	18.407	2.757	12.331	7.592	2.316	.192	43.595
November	18.514	2.753	12.323	7.558	2.312	.192	43.652
December	18.728	2.747	12.339	7.748	2.328	.192	44.082
1957							
January	18.930	2.747	12.331	7.905	2.340	.192	44.445
February	18.823	2.747	12.266	8.129	2.354	.191	44.510
March	19.037	2.747	12.234	8.102	2.351	.191	44.662
April	18.930	2.751	12.161	8.122	2.347	.190	44.501
May	19.037	2.751	12.153	8.054	2.342	.190	44.527
June	19.144	2.751	12.201	7.966	2.337	.190	44.589
July	19.346	2.766	12.347	7.911	2.347	.193	44.910
August	19.346	2.761	12.412	7.905	2.351	.194	44.969
September	19.560	2.755	12.331	7.891	2.342	.192	45.071
October	19.453	2.740	12.218	7.871	2.324	.191	44.797
November	19.560	2.738	12.185	7.864	2.328	.190	44.865
December	19.667	2.738	12.193	7.898	2.328	.190	45.014
Weighted average 2/	19.156	2.751	12.242	7.993	2.342	.191	44.675

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Cream-Condensed Skim

$$\text{Labor} = \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{19.156}{161.2} = .18833$$

$$\text{Building} = \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{02.751}{130.7} = .021048$$

$$\text{Equipment} = \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{12.242}{151.1} = .081019$$

$$\text{Utilities} = \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{07.993}{117.6} = .067967$$

$$\text{Consumable supply} = \frac{\text{Weighted average consumable supply costs, 1957}}{\begin{array}{l}\text{Weighted average index of combined indices for building material,}\\ \text{fuel and lighting material, and metals and metal products, 1957}\end{array}} = \frac{2.342}{133.1} = .017596$$

$$\text{Packaging supply} = \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{0.191}{151.1} = .001264$$

Table 27.--Costs of processing a hundred pounds of milk into cream and cottage cheese, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	11.340	1.722	6.394	3.355	2.397	12.026	37.234
February	11.610	1.731	6.460	3.377	2.414	12.026	37.618
March	11.563	1.741	6.520	3.374	2.426	12.026	37.650
April	11.669	1.744	6.672	3.383	2.447	12.026	37.941
May	11.798	1.753	6.645	3.387	2.449	12.026	38.058
June	11.763	1.763	6.658	3.396	2.459	12.026	38.065
July	11.975	1.787	6.784	3.441	2.494	12.026	38.507
August	12.045	1.825	7.187	3.422	2.556	12.241	39.276
September	12.304	1.830	7.234	3.418	2.563	12.241	39.590
October	12.292	1.823	7.267	3.431	2.568	12.241	39.622
November	12.316	1.818	7.320	3.434	2.573	12.241	39.702
December	12.363	1.811	7.340	3.418	2.568	12.241	39.741
1949							
January	12.563	1.802	7.353	3.402	2.561	13.679	41.360
February	12.563	1.794	7.280	3.355	2.537	13.679	41.208
March	12.539	1.785	7.207	3.298	2.509	13.679	41.017
April	12.563	1.768	6.996	3.240	2.461	13.679	40.707
May	12.481	1.751	6.824	3.202	2.423	13.679	40.360
June	12.492	1.736	6.731	3.186	2.402	13.679	40.226
July	12.622	1.715	6.725	3.180	2.390	13.679	40.311
August	12.586	1.705	6.751	3.177	2.388	13.679	40.286
September	12.892	1.708	6.804	3.193	2.400	13.679	40.676
October	12.833	1.713	6.791	3.218	2.407	13.679	40.641
November	12.728	1.720	6.811	3.212	2.411	13.679	40.561
December	12.751	1.731	6.837	3.205	2.416	13.679	40.619
1950							
January	12.951	1.746	6.897	3.221	2.435	13.451	40.701
February	12.975	1.765	6.936	3.234	2.452	13.451	40.813
March	12.939	1.780	6.930	3.225	2.456	13.451	40.781
April	12.927	1.790	6.956	3.199	2.456	13.451	40.779
May	12.857	1.818	7.049	3.231	2.490	13.451	40.896
June	12.845	1.838	7.194	3.253	2.521	13.451	41.102
July	13.080	1.866	7.221	3.282	2.544	13.451	41.444
August	13.010	1.915	7.326	3.298	2.585	13.451	41.585
September	13.163	1.956	7.492	3.320	2.627	13.451	42.009
October	13.198	1.980	7.677	3.333	2.665	13.451	42.304
November	13.292	1.989	7.783	3.348	2.684	13.451	42.547
December	13.480	2.023	8.060	3.326	2.729	13.451	43.069
1951							
January	13.869	2.055	8.199	3.380	2.775	13.451	43.729
February	13.974	2.064	8.179	3.412	2.784	15.104	45.517
March	14.080	2.066	8.146	3.409	2.779	15.104	45.584
April	13.974	2.067	8.146	3.383	2.775	15.104	45.449
May	13.974	2.064	8.146	3.374	2.770	15.104	45.432
June	14.080	2.052	8.113	3.377	2.760	15.104	45.486
July	14.292	2.042	8.087	3.383	2.756	15.104	45.664
August	14.080	2.033	8.080	3.377	2.748	15.104	45.422
September	14.398	2.030	8.073	3.390	2.748	15.104	45.743
October	14.292	2.030	8.093	3.393	2.753	15.104	45.665
November	14.292	2.026	8.100	3.396	2.753	15.104	45.671
December	14.598	2.018	8.100	3.412	2.753	15.104	45.985
1952							
January	14.915	2.014	8.093	3.412	2.751	15.104	46.289
February	14.810	2.016	8.107	3.406	2.751	15.104	46.194
March	14.915	2.018	8.107	3.412	2.753	15.104	46.309
April	14.810	2.021	8.100	3.377	2.746	15.104	46.158
May	14.810	2.020	8.054	3.368	2.737	15.104	46.093
June	14.915	2.014	8.007	3.364	2.727	15.104	46.131
July	14.915	2.018	8.060	3.368	2.737	15.104	46.202
August	15.010	2.028	8.206	3.361	2.758	15.655	47.018
September	15.327	2.030	8.239	3.374	2.735	15.655	47.360
October	15.327	2.028	8.206	3.387	2.763	15.655	47.366
November	15.527	2.025	8.193	3.390	2.760	15.655	47.550
December	15.633	2.023	8.199	3.406	2.735	15.655	47.651
1953							
January	15.951	2.026	8.199	3.425	2.772	15.655	48.028
February	15.951	2.030	8.239	3.434	2.779	15.655	48.088
March	15.845	2.038	8.298	3.444	2.793	15.655	48.073
April	15.845	2.050	8.265	3.412	2.786	15.655	48.013
May	15.845	2.055	8.312	3.402	2.793	15.655	48.062
June	15.845	2.061	8.391	3.441	2.815	15.655	48.208
July	16.151	2.074	8.550	3.530	2.862	15.655	48.822
August	16.045	2.066	8.556	3.526	2.858	15.655	48.706
September	16.362	2.059	8.497	3.523	2.846	15.655	48.942
October	16.362	2.052	8.457	3.533	2.841	15.655	48.900
November	16.362	2.043	8.457	3.533	2.836	15.655	48.886
December	16.362	2.045	8.431	3.530	2.834	15.655	48.857

Continued

Table 27.--Costs of processing a hundred pounds of milk into cream and cottage cheese, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	16.668	2.045	8.411	3.520	2.829	15.655	49.128
February	16.668	2.038	8.345	3.510	2.815	15.655	49.031
March	16.562	2.040	8.351	3.469	2.808	15.655	48.885
April	16.468	2.035	8.384	3.450	2.803	15.655	48.795
May	16.468	2.028	8.404	3.437	2.801	15.655	48.793
June	16.562	2.026	8.404	3.425	2.796	15.655	48.868
July	16.668	2.061	8.464	3.374	2.805	15.655	49.027
August	16.668	1.917	8.503	3.396	2.820	15.655	48.959
September	16.880	2.074	8.536	3.396	2.827	15.655	49.368
October	16.774	2.081	8.576	3.396	2.834	15.883	49.544
November	16.668	2.084	8.589	3.412	2.841	15.883	49.477
December	16.774	2.086	8.583	3.415	2.843	15.883	49.584
1955							
January	16.880	2.088	8.602	3.447	2.853	15.883	49.753
February	17.080	2.095	8.695	3.453	2.869	15.883	50.075
March	17.080	2.100	8.721	3.447	2.874	15.883	50.105
April	17.080	2.110	8.788	3.412	2.877	15.883	50.150
May	17.186	2.122	8.761	3.399	2.877	15.883	50.228
June	17.186	2.122	8.768	3.393	2.877	15.883	50.229
July	17.397	2.149	9.039	3.380	2.917	15.883	50.765
August	17.292	2.179	9.224	3.406	2.960	15.883	50.944
September	17.597	2.197	9.383	3.431	2.993	15.883	51.484
October	17.397	2.201	9.416	3.431	3.000	16.757	52.202
November	17.503	2.191	9.449	3.450	3.002	16.757	52.352
December	17.597	2.194	9.515	3.472	3.019	16.757	52.554
1956							
January	17.703	2.213	9.594	3.526	3.050	16.757	52.843
February	17.703	2.216	9.594	3.533	3.052	16.757	52.855
March	17.809	2.232	9.687	3.523	3.069	16.757	53.077
April	17.915	2.242	9.766	3.514	3.081	16.757	53.275
May	17.809	2.237	9.707	3.520	3.074	17.631	53.978
June	18.021	2.233	9.641	3.510	3.062	17.631	54.098
July	18.115	2.233	9.581	3.517	3.055	17.631	54.132
August	18.021	2.249	9.932	3.523	3.107	17.631	54.463
September	18.221	2.240	10.044	3.530	3.116	17.631	54.782
October	18.221	2.240	10.064	3.549	3.123	17.631	54.828
November	18.327	2.237	10.057	3.533	3.119	17.859	55.132
December	18.538	2.232	10.070	3.622	3.140	17.859	55.461
1957							
January	18.738	2.232	10.064	3.695	3.157	17.859	55.745
February	18.633	2.232	10.011	3.800	3.176	17.859	55.711
March	18.844	2.232	9.984	3.787	3.171	17.859	55.877
April	18.738	2.235	9.925	3.796	3.166	17.859	55.719
May	18.844	2.235	9.918	3.765	3.159	18.625	56.546
June	18.950	2.235	9.958	3.723	3.152	18.625	56.643
July	19.150	2.247	10.077	3.698	3.166	18.625	56.963
August	19.150	2.244	10.130	3.695	3.171	18.625	57.015
September	19.362	2.238	10.064	3.688	3.159	18.625	57.136
October	19.256	2.226	9.971	3.679	3.135	18.625	56.892
November	19.362	2.225	9.945	3.676	3.140	18.625	56.973
December	19.468	2.225	9.951	3.692	3.140	18.625	57.101
Weighted average 2/	18.962	2.235	9.991	3.736	3.159	18.350	56.433

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Cream-Cottage Cheese

Labor $= \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{18.962}{161.2} = .117630$

Building $= \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{2.235}{130.7} = .017100$

Equipment $= \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{9.991}{151.1} = .066122$

Utilities $= \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{3.736}{117.6} = .031769$

Consumable supply $= \frac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \frac{3.159}{133.1} = .023734$

Packaging supply $= \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for tinplate (electrolytic process), 1957}} = \frac{18.350}{153.2} = .119778$

Table 28.--Costs of processing a hundred pounds of milk into ice cream mix and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	13.558	3.036	8.464	9.580	2.047	5.782	42.649
February	13.881	3.051	8.552	9.644	2.061	5.844	43.033
March	13.825	3.069	8.631	9.635	2.072	5.827	43.059
April	13.951	3.075	8.832	9.662	2.090	5.816	43.426
May	14.106	3.090	8.797	9.671	2.092	5.805	43.561
June	14.064	3.109	8.814	9.698	2.100	5.810	43.595
July	14.317	3.151	8.981	9.825	2.130	5.833	44.237
August	14.401	3.217	9.515	9.771	2.183	5.856	44.943
September	14.711	3.226	9.576	9.762	2.189	5.833	45.297
October	14.697	3.214	9.620	9.798	2.193	5.833	45.355
November	14.725	3.205	9.690	9.807	2.197	5.856	45.480
December	14.781	3.193	9.716	9.762	2.193	5.850	45.495
1949							
January	15.020	3.178	9.733	9.716	2.187	5.844	45.678
February	15.020	3.163	9.637	9.580	2.167	5.827	45.394
March	14.992	3.148	9.541	9.417	2.143	5.788	45.029
April	15.020	3.118	9.261	9.254	2.102	5.714	44.469
May	14.922	3.087	9.033	9.145	2.070	5.623	43.880
June	14.936	3.060	8.911	9.100	2.051	5.516	43.574
July	15.090	3.024	8.902	9.081	2.041	5.442	43.580
August	15.048	3.006	8.937	9.072	2.039	5.425	43.527
September	15.414	3.012	9.007	9.118	2.049	5.448	44.048
October	15.344	3.021	8.989	9.190	2.055	5.448	44.047
November	15.217	3.033	9.016	9.172	2.059	5.459	43.956
December	15.245	3.051	9.051	9.154	2.063	5.464	44.028
1950							
January	15.484	3.078	9.129	9.199	2.080	5.459	44.429
February	15.512	3.112	9.182	9.236	2.094	5.453	44.589
March	15.470	3.139	9.173	9.208	2.098	5.442	44.530
April	15.456	3.157	9.208	9.136	2.098	5.442	44.497
May	15.372	3.205	9.331	9.227	2.126	5.425	44.686
June	15.358	3.241	9.523	9.290	2.153	5.436	45.001
July	15.639	3.289	9.558	9.372	2.173	5.544	45.575
August	15.555	3.377	9.698	9.417	2.207	5.748	46.002
September	15.737	3.449	9.917	9.481	2.244	5.873	46.701
October	15.780	3.491	10.162	9.517	2.276	6.083	47.309
November	15.892	3.507	10.302	9.562	2.293	6.230	47.786
December	16.117	3.567	10.670	9.499	2.331	6.485	48.669
1951							
January	16.581	3.624	10.854	9.653	2.370	6.808	49.890
February	16.708	3.639	10.828	9.744	2.378	6.831	50.128
March	16.834	3.642	10.784	9.735	2.374	6.819	50.242
April	16.708	3.645	10.784	9.662	2.370	6.785	49.954
May	16.708	3.639	10.784	9.635	2.366	6.791	49.923
June	16.834	3.618	10.740	9.644	2.357	6.814	50.007
July	17.088	3.600	10.705	9.662	2.353	6.814	50.222
August	16.834	3.585	10.696	9.644	2.347	6.774	49.880
September	17.214	3.579	10.688	9.680	2.347	6.768	50.276
October	17.088	3.579	10.714	9.689	2.351	6.734	50.155
November	17.088	3.573	10.723	9.698	2.351	6.712	50.145
December	17.453	3.558	10.723	9.744	2.351	6.712	50.541
1952							
January	17.833	3.552	10.714	9.744	2.349	6.700	50.892
February	17.706	3.555	10.731	9.726	2.349	6.706	50.773
March	17.833	3.558	10.731	9.744	2.351	6.672	50.889
April	17.706	3.564	10.723	9.644	2.345	6.655	50.637
May	17.706	3.561	10.661	9.617	2.337	6.627	50.509
June	17.833	3.552	10.600	9.608	2.329	6.615	50.537
July	17.833	3.558	10.670	9.617	2.337	6.536	50.551
August	17.945	3.576	10.863	9.598	2.355	6.553	50.890
September	18.325	3.579	10.906	9.635	2.361	6.553	51.359
October	18.325	3.576	10.863	9.671	2.359	6.547	51.341
November	18.564	3.570	10.845	9.680	2.357	6.547	51.563
December	18.691	3.567	10.854	9.726	2.361	6.570	51.769
1953							
January	19.071	3.573	10.854	9.780	2.368	6.564	52.210
February	19.071	3.579	10.906	9.807	2.374	6.536	52.273
March	18.944	3.594	10.985	9.834	2.386	6.525	52.268
April	18.944	3.615	10.941	9.744	2.380	6.536	52.160
May	18.944	3.624	11.003	9.716	2.386	6.542	52.215
June	18.944	3.633	11.108	9.825	2.404	6.564	52.478
July	19.310	3.657	11.318	10.079	2.445	6.564	53.373
August	19.183	3.642	11.327	10.070	2.441	6.587	53.250
September	19.563	3.630	11.248	10.061	2.430	6.627	53.559
October	19.563	3.618	11.195	10.088	2.426	6.661	53.551
November	19.563	3.603	11.195	10.088	2.422	6.649	53.520
December	19.563	3.606	11.160	10.079	2.420	6.638	53.466

Continued

Table 28.--Costs of processing a hundred pounds of milk into ice cream mix and nonfat dry milk, New York-New Jersey milkshed, by months, 1948-57--Con.

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	19.928	3.606	11.134	10.052	2.416	6.632	53.768
February	19.928	3.594	11.046	10.025	2.404	6.638	53.635
March	19.802	3.597	11.055	9.907	2.398	6.610	53.369
April	19.689	3.588	11.099	9.853	2.394	6.593	53.216
May	19.689	3.576	11.125	9.816	2.392	6.564	53.162
June	19.802	3.573	11.125	9.780	2.388	6.564	53.232
July	19.928	3.633	11.204	9.635	2.396	6.587	53.383
August	19.928	3.642	11.256	9.698	2.408	6.593	53.525
September	20.182	3.657	11.300	9.698	2.414	6.593	53.844
October	20.055	3.669	11.353	9.698	2.420	6.593	53.788
November	19.928	3.675	11.370	9.744	2.426	6.576	53.719
December	20.055	3.678	11.362	9.753	2.428	6.570	53.846
1955							
January	20.182	3.681	11.388	9.843	2.436	6.593	54.123
February	20.421	3.693	11.510	9.862	2.451	6.610	54.547
March	20.421	3.703	11.545	9.843	2.455	6.621	54.588
April	20.421	3.721	11.633	9.744	2.457	6.655	54.631
May	20.547	3.742	11.598	9.707	2.457	6.672	54.723
June	20.547	3.742	11.607	9.689	2.457	6.706	54.748
July	20.800	3.790	11.965	9.653	2.491	6.746	55.446
August	20.674	3.841	12.211	9.726	2.528	6.785	55.765
September	21.039	3.874	12.421	9.798	2.556	6.831	56.519
October	20.800	3.880	12.464	9.798	2.562	6.961	56.465
November	20.927	3.862	12.508	9.853	2.564	6.984	56.698
December	21.039	3.868	12.596	9.916	2.578	7.007	57.004
1956							
January	21.166	3.902	12.701	10.070	2.605	7.075	57.519
February	21.166	3.908	12.701	10.088	2.607	7.109	57.579
March	21.293	3.935	12.823	10.061	2.621	7.188	57.921
April	21.419	3.953	12.928	10.034	2.631	7.222	58.187
May	21.293	3.944	12.850	10.052	2.625	7.216	57.980
June	21.546	3.938	12.762	10.025	2.615	7.222	58.108
July	21.658	3.938	12.683	10.043	2.609	7.239	58.170
August	21.546	3.965	13.147	10.061	2.653	7.250	58.622
September	21.785	3.950	13.296	10.079	2.661	7.250	59.021
October	21.785	3.950	13.322	10.134	2.668	7.262	59.121
November	21.911	3.944	13.313	10.088	2.663	7.245	59.164
December	22.165	3.935	13.331	10.342	2.682	7.256	59.711
1957							
January	22.404	3.935	13.322	10.551	2.696	7.290	60.198
February	22.277	3.935	13.252	10.850	2.712	7.284	60.310
March	22.530	3.935	13.217	10.814	2.708	7.296	60.500
April	22.404	3.941	13.138	10.841	2.704	7.290	60.318
May	22.530	3.941	13.130	10.751	2.698	7.307	60.357
June	22.657	3.941	13.182	10.633	2.692	7.307	60.412
July	22.896	3.962	13.340	10.560	2.704	7.341	60.803
August	22.896	3.956	13.410	10.551	2.708	7.364	60.885
September	23.149	3.947	13.322	10.533	2.698	7.375	61.024
October	23.022	3.926	13.200	10.506	2.678	7.420	60.752
November	23.149	3.923	13.165	10.497	2.682	7.420	60.827
December	23.276	3.923	13.173	10.542	2.682	7.426	61.022
Weighted average 2/	22.671	3.941	13.226	10.669	2.698	7.324	60.529

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Ice Cream Mix-Powder

Labor $= \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{22.671}{161.2} = .140638$

Building $= \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{3.941}{130.7} = .030151$

Equipment $= \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{13.226}{151.1} = .087531$

Utilities $= \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{10.669}{117.6} = .090723$

Consumable supply $= \frac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \frac{2.698}{133.1} = .020270$

Packaging supply $= \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for pulp, paper, and allied products, 1957}} = \frac{7.324}{129.2} = .056687$

Table 29.--Costs of processing a hundred pounds of milk into ice cream mix and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents
1948						
January	12.810	2.130	8.701	6.634	1.937	32.212
February	13.116	2.140	8.792	6.678	1.951	32.677
March	13.063	2.153	8.873	6.672	1.960	32.721
April	13.182	2.157	9.080	6.691	1.978	33.088
May	13.328	2.168	9.044	6.697	1.979	33.216
June	13.289	2.180	9.062	6.716	1.987	33.234
July	13.528	2.210	9.233	6.804	2.016	33.791
August	13.607	2.256	9.782	6.766	2.066	34.477
September	13.898	2.263	9.845	6.760	2.072	34.838
October	13.886	2.254	9.890	6.785	2.075	34.890
November	13.913	2.248	9.962	6.791	2.079	34.993
December	13.966	2.240	9.989	6.760	2.075	35.030
1949						
January	14.192	2.229	10.007	6.728	2.070	35.226
February	14.192	2.218	9.908	6.634	2.050	35.002
March	14.166	2.208	9.809	6.521	2.027	34.731
April	14.192	2.187	9.521	6.408	1.989	34.297
May	14.099	2.166	9.287	6.333	1.958	33.843
June	14.122	2.147	9.161	6.301	1.941	33.662
July	14.259	2.121	9.152	6.289	1.932	33.753
August	14.219	2.108	9.188	6.282	1.930	33.727
September	14.564	2.113	9.260	6.314	1.939	34.190
October	14.498	2.119	9.242	6.364	1.945	34.168
November	14.378	2.127	9.269	6.351	1.949	34.074
December	14.405	2.140	9.305	6.339	1.953	34.142
1950						
January	14.631	2.159	9.386	6.370	1.968	34.514
February	14.657	2.182	9.440	6.395	1.981	34.655
March	14.617	2.202	9.431	6.377	1.985	34.612
April	14.604	2.214	9.467	6.326	1.985	34.596
May	14.524	2.248	9.593	6.389	2.012	34.766
June	14.511	2.273	9.791	6.433	2.037	35.045
July	14.777	2.307	9.827	6.490	2.056	35.457
August	14.697	2.369	9.971	6.521	2.089	35.647
September	14.870	2.419	10.096	6.565	2.123	36.073
October	14.910	2.449	10.447	6.590	2.154	36.550
November	15.016	2.460	10.591	6.622	2.169	36.858
December	15.229	2.502	10.967	6.578	2.206	37.482
1951						
January	15.667	2.542	11.158	6.684	2.242	38.293
February	15.787	2.553	11.131	6.747	2.250	38.468
March	15.906	2.555	11.086	6.741	2.246	38.534
April	15.787	2.557	11.086	6.691	2.242	38.363
May	15.787	2.553	11.086	6.672	2.238	38.336
June	15.906	2.538	11.041	6.678	2.231	38.394
July	16.146	2.525	11.005	6.691	2.227	38.594
August	15.906	2.514	10.996	6.678	2.221	38.315
September	16.265	2.510	10.987	6.703	2.221	38.686
October	16.146	2.510	11.014	6.709	2.225	38.604
November	16.146	2.506	11.023	6.716	2.225	38.616
December	16.491	2.495	11.023	6.747	2.225	38.981
1952						
January	16.850	2.491	11.014	6.747	2.223	39.325
February	16.730	2.493	11.032	6.735	2.223	39.213
March	16.850	2.495	11.032	6.747	2.225	39.349
April	16.730	2.500	11.023	6.678	2.219	39.150
May	16.730	2.498	10.960	6.659	2.212	39.059
June	16.850	2.491	10.897	6.653	2.204	39.095
July	16.850	2.495	10.969	6.659	2.212	39.203
August	16.956	2.508	11.167	6.647	2.229	39.507
September	17.315	2.510	11.212	6.672	2.235	39.944
October	17.315	2.508	11.167	6.697	2.233	39.920
November	17.541	2.504	11.149	6.703	2.231	40.128
December	17.660	2.502	11.158	6.735	2.235	40.290
1953						
January	18.019	2.506	11.158	6.772	2.240	40.695
February	18.019	2.510	11.212	6.791	2.246	40.778
March	17.900	2.521	11.293	6.810	2.258	40.782
April	17.900	2.536	11.248	6.747	2.252	40.683
May	17.900	2.542	11.311	6.728	2.258	40.739
June	17.900	2.548	11.419	6.804	2.275	40.946
July	18.245	2.565	11.635	6.980	2.313	41.738
August	18.126	2.555	11.644	6.973	2.309	41.607
September	18.484	2.546	11.563	6.967	2.300	41.861
October	18.484	2.538	11.509	6.986	2.296	41.813
November	18.484	2.527	11.509	6.986	2.292	41.798
December	18.484	2.529	11.473	6.980	2.290	41.756

Continued

Table 29.--Costs of processing a hundred pounds of milk into ice cream mix and condensed skim milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents
1954						
January	18.830	2.529	11.446	6.961	2.286	42.052
February	18.830	2.521	11.356	6.942	2.275	41.924
March	18.710	2.523	11.365	6.860	2.269	41.727
April	18.604	2.517	11.410	6.823	2.265	41.619
May	18.604	2.508	11.437	6.797	2.263	41.609
June	18.710	2.506	11.437	6.772	2.260	41.685
July	18.830	2.548	11.518	6.672	2.267	41.835
August	18.830	2.555	11.572	6.716	2.279	41.952
September	19.069	2.565	11.617	6.716	2.284	42.251
October	18.949	2.574	11.671	6.716	2.290	42.200
November	18.830	2.578	11.689	6.747	2.296	41.140
December	18.949	2.580	11.680	6.753	2.298	42.260
1955						
January	19.070	2.582	11.707	6.816	2.306	42.481
February	19.295	2.591	11.833	6.829	2.319	42.867
March	19.295	2.597	11.869	6.816	2.323	42.900
April	19.295	2.610	11.959	6.747	2.325	42.936
May	19.414	2.624	11.923	6.722	2.325	43.008
June	19.414	2.624	11.932	6.709	2.325	43.004
July	19.654	2.658	12.301	6.684	2.357	43.654
August	19.534	2.694	12.553	6.735	2.392	43.908
September	19.880	2.718	12.769	6.785	2.419	44.571
October	19.654	2.722	12.814	6.785	2.424	44.399
November	19.773	2.709	12.859	6.823	2.426	44.590
December	19.880	2.713	12.949	6.867	2.440	44.849
1956						
January	19.999	2.737	13.057	6.973	2.465	45.231
February	19.999	2.741	12.057	6.986	2.467	45.250
March	20.119	2.760	13.183	6.967	2.480	45.509
April	20.238	2.773	13.291	6.948	2.490	45.740
May	20.119	2.766	13.210	6.961	2.484	45.540
June	20.358	2.762	13.120	6.942	2.474	45.656
July	20.464	2.762	12.039	6.955	2.469	45.689
August	20.358	2.781	13.516	6.967	2.511	46.133
September	20.584	2.770	13.669	6.980	2.518	46.521
October	20.584	2.770	13.696	7.017	2.524	46.591
November	20.703	2.766	13.687	6.986	2.520	46.662
December	20.943	2.760	13.705	7.162	2.538	47.108
1957						
January	21.169	2.760	13.696	7.306	2.551	47.482
February	21.049	2.760	13.624	7.514	2.566	47.513
March	21.288	2.760	13.588	7.489	2.563	47.688
April	21.169	2.764	13.507	7.507	2.559	47.506
May	21.288	2.764	13.498	7.445	2.553	47.548
June	21.408	2.764	13.552	7.363	2.547	47.634
July	21.634	2.779	13.714	7.313	2.559	47.999
August	21.634	2.775	13.786	7.306	2.563	48.058
September	21.873	2.768	13.696	7.294	2.553	48.184
October	21.753	2.753	13.570	7.275	2.534	47.885
November	21.873	2.751	13.534	7.269	2.538	47.965
December	21.992	2.751	13.543	7.300	2.538	48.124
Weighted average: 2/	21.421	2.764	13.597	7.388	2.553	47.723

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Ice Cream Mix-Condensed Skim

$$\text{Labor} = \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{21.421}{161.2} = .132885$$

$$\text{Building} = \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{2.764}{130.7} = .021148$$

$$\text{Equipment} = \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{13.597}{151.1} = .089987$$

$$\text{Utilities} = \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{7.388}{117.6} = .062823$$

$$\text{Consumable supply} = \frac{\text{Weighted average consumable supply costs, 1957}}{\begin{array}{c}\text{Weighted average index of combined indices for building material,}\\ \text{fuel and lighting material, and metals and metal products, 1957}\end{array}} = \frac{2.553}{133.1} = .019181$$

Table 30.--Costs of processing a hundred pounds of milk into ice cream mix and cottage cheese, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948							
January	12.780	2.436	8.405	4.291	2.695	9.420	40.027
February	13.084	2.448	8.492	4.320	2.713	9.420	40.477
March	13.031	2.463	8.570	4.316	2.727	9.420	40.527
April	13.151	2.468	8.770	4.328	2.751	9.420	40.888
May	13.297	2.480	8.735	4.332	2.753	9.420	41.017
June	13.257	2.494	8.752	4.344	2.764	9.420	41.031
July	13.495	2.528	8.918	4.401	2.804	9.420	41.566
August	13.575	2.581	9.448	4.377	2.873	9.589	42.443
September	13.867	2.589	9.509	4.373	2.881	9.589	42.808
October	13.853	2.579	9.552	4.389	2.887	9.589	42.849
November	13.880	2.572	9.622	4.393	2.892	9.589	42.948
December	13.933	2.562	9.648	4.373	2.887	9.589	42.992
1949							
January	14.158	2.550	9.665	4.352	2.879	10.715	44.319
February	14.158	2.538	9.569	4.291	2.852	10.715	44.123
March	14.132	2.526	9.474	4.218	2.820	10.715	43.885
April	14.158	2.502	9.196	4.145	2.767	10.715	43.483
May	14.065	2.477	8.970	4.096	2.724	10.715	43.047
June	14.079	2.456	8.848	4.076	2.700	10.715	42.874
July	14.225	2.427	8.839	4.068	2.687	10.715	42.961
August	14.185	2.412	8.874	4.064	2.684	10.715	42.934
September	14.529	2.417	8.944	4.084	2.697	10.715	43.386
October	14.463	2.424	8.926	4.117	2.705	10.715	43.350
November	14.344	2.434	8.952	4.109	2.711	10.715	43.265
December	14.370	2.448	8.987	4.100	2.716	10.715	43.336
1950							
January	14.596	2.470	9.065	4.121	2.737	10.537	43.526
February	14.622	2.497	9.117	4.137	2.756	10.537	43.666
March	14.582	2.518	9.109	4.125	2.761	10.537	43.632
April	14.569	2.533	9.144	4.092	2.761	10.537	43.636
May	14.490	2.572	9.265	4.133	2.799	10.537	43.796
June	14.476	2.601	9.456	4.161	2.833	10.537	44.064
July	14.742	2.639	9.491	4.198	2.860	10.537	44.467
August	14.662	2.710	9.630	4.218	2.905	10.537	44.662
September	14.834	2.768	9.848	4.247	2.953	10.537	45.187
October	14.874	2.802	10.091	4.263	2.996	10.537	45.563
November	14.980	2.814	10.230	4.283	3.017	10.537	45.861
December	15.192	2.862	10.595	4.255	3.068	10.537	46.509
1951							
January	15.630	2.908	10.778	4.324	3.119	10.537	47.296
February	15.749	2.920	10.752	4.365	3.129	11.831	48.746
March	15.868	2.923	10.708	4.360	3.124	11.831	48.814
April	15.749	2.925	10.708	4.328	3.119	11.831	48.660
May	15.749	2.920	10.708	4.316	3.113	11.831	48.637
June	15.868	2.903	10.665	4.320	3.103	11.831	48.690
July	16.107	2.889	10.630	4.328	3.097	11.831	48.882
August	15.868	2.877	10.621	4.320	3.089	11.831	48.606
September	16.226	2.872	10.612	4.336	3.089	11.831	48.966
October	16.107	2.872	10.639	4.340	3.095	11.831	48.884
November	16.107	2.867	10.647	4.344	3.095	11.831	48.891
December	16.452	2.855	10.647	4.365	3.095	11.831	49.245
1952							
January	16.810	2.850	10.639	4.365	3.092	11.831	49.587
February	16.690	2.852	10.656	4.356	3.092	11.831	49.477
March	16.810	2.855	10.656	4.365	3.095	11.831	49.612
April	16.690	2.860	10.647	4.320	3.087	11.831	49.435
May	16.690	2.857	10.586	4.308	3.076	11.831	49.348
June	16.810	2.850	10.526	4.304	3.065	11.831	49.386
July	16.810	2.855	10.595	4.308	3.076	11.831	49.475
August	16.916	2.869	10.786	4.300	3.100	12.263	50.234
September	17.274	2.872	10.830	4.316	3.108	12.263	50.663
October	17.274	2.869	10.786	4.332	3.105	12.263	50.629
November	17.499	2.864	10.769	4.336	3.103	12.263	50.834
December	17.618	2.862	10.778	4.356	3.108	12.263	50.985
1953							
January	17.976	2.867	10.778	4.381	3.116	12.263	51.381
February	17.976	2.872	10.830	4.393	3.124	12.263	51.458
March	17.857	2.884	10.908	4.405	3.140	12.263	51.457
April	17.857	2.901	10.865	4.365	3.132	12.263	51.383
May	17.857	2.908	10.925	4.352	3.116	12.263	51.421
June	17.857	2.915	11.030	4.401	3.164	12.263	51.630
July	18.202	2.935	11.238	4.515	3.217	12.263	52.370
August	18.082	2.923	11.247	4.511	3.212	12.263	52.238
September	18.440	2.913	11.169	4.507	3.199	12.263	52.491
October	18.440	2.903	11.117	4.519	3.193	12.263	52.435
November	18.440	2.891	11.117	4.519	3.188	12.263	52.418
December	18.440	2.893	11.082	4.515	3.185	12.263	52.378

Continued

Table 30.--Costs of processing a hundred pounds of milk into ice cream mix and cottage cheese, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	18.785	2.893	11.056	4.503	3.180	12.263	52.680
February	18.785	2.884	10.969	4.490	3.164	12.263	52.555
March	18.666	2.886	10.977	4.438	3.156	12.263	52.386
April	18.560	2.879	11.021	4.413	3.151	12.263	52.287
May	18.560	2.869	11.047	4.397	3.148	12.263	52.284
June	18.666	2.867	11.047	4.381	3.143	12.263	52.367
July	18.785	2.915	11.125	4.316	3.153	12.263	52.557
August	18.785	2.923	11.177	4.344	3.169	12.263	52.661
September	19.024	2.935	11.221	4.344	3.177	12.263	52.964
October	18.904	2.944	11.273	4.344	3.185	12.441	53.091
November	18.785	2.949	11.290	4.365	3.193	12.441	53.023
December	18.904	2.952	11.282	4.369	3.196	12.441	53.144
1955							
January	19.024	2.954	11.308	4.409	3.207	12.441	53.343
February	19.249	2.964	11.429	4.417	3.225	12.441	53.725
March	19.249	2.971	11.464	4.409	3.231	12.441	53.765
April	19.249	2.985	11.551	4.365	3.233	12.441	53.824
May	19.368	3.002	11.516	4.348	3.233	12.441	53.908
June	19.368	3.002	11.525	4.340	3.233	12.441	53.909
July	19.607	3.041	11.881	4.324	3.279	12.441	54.573
August	19.487	3.082	12.125	4.356	3.327	12.441	54.818
September	19.832	3.109	12.333	4.389	3.364	12.441	55.468
October	19.607	3.114	12.377	4.389	3.372	13.126	55.985
November	19.726	3.099	12.420	4.413	3.375	13.126	56.159
December	19.832	3.104	12.507	4.442	3.394	13.126	56.405
1956							
January	19.951	3.131	12.612	4.511	3.428	13.126	56.759
February	19.951	3.135	12.612	4.519	3.431	13.126	56.774
March	20.071	3.157	12.733	4.507	3.450	13.126	57.044
April	20.190	3.172	12.837	4.495	3.463	13.126	57.283
May	20.071	3.164	12.759	4.503	3.455	13.811	57.763
June	20.309	3.160	12.672	4.490	3.442	13.811	57.884
July	20.415	3.160	12.594	4.499	3.434	13.811	57.913
August	20.309	3.181	13.055	4.507	3.492	13.811	58.355
September	20.535	3.169	13.203	4.515	3.503	13.811	58.736
October	20.535	3.169	13.229	4.539	3.511	13.811	58.794
November	20.654	3.164	13.220	4.519	3.506	13.989	59.052
December	20.893	3.157	13.237	4.633	3.530	13.989	59.439
1957							
January	21.118	3.157	13.229	4.726	3.548	13.989	59.767
February	20.999	3.157	13.159	4.860	3.570	13.989	59.734
March	21.237	3.157	13.124	4.844	3.564	13.989	59.915
April	21.118	3.162	13.046	4.856	3.559	13.989	59.730
May	21.237	3.162	13.037	4.816	3.551	14.590	60.393
June	21.357	3.162	13.090	4.763	3.543	14.590	60.505
July	21.582	3.179	13.246	4.730	3.559	14.590	60.886
August	21.582	3.174	13.316	4.726	3.564	14.590	60.952
September	21.821	3.167	13.229	4.718	3.551	14.590	61.076
October	21.701	3.150	13.107	4.706	3.524	14.590	60.778
November	21.821	3.148	13.072	4.702	3.530	14.590	60.863
December	21.940	3.148	13.081	4.722	3.530	14.590	61.011
Weighted average 2/	21.370	3.162	13.133	4.779	3.551	14.374	60.369

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Ice Cream Mix-Creamed Cottage Cheese

$$\text{Labor} = \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{21.370}{161.2} = .132568$$

$$\text{Building} = \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{3.162}{130.7} = .024193$$

$$\text{Equipment} = \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{13.133}{151.1} = .086916$$

$$\text{Utilities} = \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{4.779}{117.6} = .040638$$

$$\text{Consumable supply} = \frac{\text{Weighted average consumable supply costs, 1957}}{\begin{array}{l}\text{Weighted average index of combined indices for building material,}\\ \quad\text{fuel and lighting material, and metals and metal products, 1957}\end{array}} = \frac{3.551}{133.1} = .026679$$

$$\text{Packaging supply} = \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index for tinplate (electrolytic process), 1957}} = \frac{14.374}{153.2} = .093825$$

Table 31.--Costs of processing a hundred pounds of milk into Cheddar cheese, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost	Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents	Cents	Cents	Cents
1948								1951							
January	15.551	3.156	8.782	2.422	4.347	20.454	54.712	January	19.019	3.767	11.262	2.440	5.032	23.081	64.601
February	15.922	3.172	8.873	2.438	4.377	20.589	55.371	February	19.164	3.783	11.235	2.463	5.049	23.158	64.852
March	15.857	3.190	8.855	2.436	4.399	20.435	55.272	March	19.309	3.786	11.189	2.461	5.040	23.100	64.885
April	16.002	3.197	9.164	2.442	4.438	20.357	55.600	April	19.164	3.789	11.189	2.442	5.032	23.042	64.658
May	16.180	3.212	9.128	2.445	4.442	20.319	55.726	May	19.164	3.783	11.189	2.436	5.023	22.946	64.541
June	16.132	3.231	9.146	2.452	4.459	20.203	55.623	June	19.309	3.761	11.144	2.438	5.006	22.810	64.468
July	16.422	3.275	9.318	2.484	4.524	20.126	56.149	July	19.600	3.742	11.107	2.442	4.997	22.521	64.409
August	16.519	3.344	9.872	2.470	4.636	20.087	56.928	August	19.309	3.726	11.098	2.438	4.984	21.864	63.419
September	16.874	3.353	9.936	2.468	4.649	19.894	57.174	September	19.745	3.720	11.089	2.447	4.984	21.439	63.424
October	16.857	3.341	9.981	2.477	4.657	19.643	56.956	October	19.600	3.720	11.116	2.449	4.993	21.207	63.085
November	16.890	3.331	10.054	2.479	4.666	19.508	56.928	November	19.600	3.714	11.126	2.452	4.993	21.323	63.208
December	16.954	3.319	10.081	2.468	4.657	19.488	56.967	December	20.019	3.698	11.126	2.463	4.993	21.420	63.719
1949								1952							
January	17.228	3.303	10.099	2.456	4.644	19.334	57.064	January	20.455	3.692	11.116	2.463	4.989	21.343	64.058
February	17.228	3.287	9.999	2.422	4.601	19.199	56.736	February	20.310	3.695	11.135	2.459	4.989	21.188	63.776
March	17.196	3.272	9.899	2.381	4.550	18.967	56.265	March	20.455	3.698	11.135	2.463	4.993	20.995	63.739
April	17.228	3.240	9.609	2.339	4.464	18.696	55.576	April	20.310	3.704	11.126	2.438	4.980	20.860	63.418
May	17.116	3.209	9.373	2.312	4.395	18.368	54.773	May	20.310	3.701	11.062	2.431	4.963	20.686	63.153
June	17.132	3.181	9.246	2.300	4.356	18.098	54.313	June	20.455	3.692	10.998	2.429	4.946	20.493	63.013
July	17.309	3.143	9.236	2.296	4.334	17.847	54.165	July	20.455	3.698	11.071	2.431	4.963	20.415	63.033
August	17.261	3.124	9.273	2.293	4.330	17.847	54.128	August	20.584	3.717	11.271	2.426	5.002	20.589	63.589
September	17.680	3.131	9.345	2.305	4.352	18.001	54.814	September	21.019	3.720	11.316	2.436	5.015	20.724	64.230
October	17.599	3.140	9.327	2.323	4.365	18.020	54.774	October	21.019	3.717	11.271	2.445	5.010	20.744	64.206
November	17.454	3.153	9.355	2.319	4.373	18.098	54.752	November	21.294	3.711	11.253	2.447	5.006	20.667	64.378
December	17.487	3.172	9.391	2.314	4.382	18.156	54.902	December	21.439	3.707	11.262	2.459	5.015	20.628	64.510
1950								1953							
January	17.761	3.200	9.473	2.326	4.416	18.194	55.370	January	21.874	3.714	11.262	2.472	5.027	20.551	64.900
February	17.793	3.234	9.527	2.335	4.446	18.214	55.549	February	21.874	3.720	11.316	2.479	5.040	20.415	64.844
March	17.745	3.262	9.518	2.328	4.455	18.117	55.425	March	21.729	3.736	11.398	2.486	5.066	20.106	64.521
April	17.729	3.281	9.554	2.309	4.455	18.001	55.329	April	21.729	3.758	11.353	2.463	5.053	20.106	64.462
May	17.632	3.331	9.682	2.332	4.515	17.905	55.397	May	21.729	3.767	11.416	2.456	5.066	20.164	64.598
June	17.616	3.369	9.881	2.348	4.571	17.962	55.747	June	21.729	3.776	11.525	2.484	5.105	20.203	64.822
July	17.938	3.419	9.918	2.369	4.614	18.561	56.819	July	22.149	3.801	11.743	2.548	5.191	20.280	65.712
August	17.841	3.510	10.063	2.381	4.687	19.662	58.144	August	22.003	3.786	11.752	2.546	5.182	20.319	65.588
September	18.051	3.585	10.290	2.397	4.765	20.415	59.503	September	22.439	3.773	11.670	2.543	5.161	20.338	65.924
October	18.100	3.629	10.544	2.406	4.834	21.111	60.624	October	22.439	3.761	11.616	2.550	5.152	20.280	65.798
November	18.229	3.645	10.690	2.417	4.868	21.690	61.539	November	22.439	3.745	11.616	2.550	5.144	20.184	65.678
December	18.487	3.707	11.071	2.401	4.950	22.424	63.040	December	22.439	3.748	11.580	2.548	5.139	20.087	65.541

Continued

Table 31.--Costs of processing a hundred pounds of milk into Cheddar cheese, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Packaging supply	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1954							
January	22.858	3.748	11.552	2.541	5.131	20.029	65.859
February	22.858	3.736	11.462	2.534	5.105	19.894	65.589
March	22.713	3.739	11.471	2.504	5.092	19.817	65.336
April	22.584	3.729	11.516	2.491	5.083	19.778	65.181
May	22.584	3.717	11.543	2.481	5.079	19.720	65.124
June	22.713	3.714	11.543	2.472	5.070	19.720	65.232
July	22.858	3.776	11.625	2.436	5.088	19.817	65.600
August	22.858	3.786	11.680	2.452	5.114	19.836	65.726
September	23.149	3.801	11.725	2.452	5.126	19.836	66.089
October	23.004	3.814	11.779	2.452	5.139	19.913	66.101
November	22.858	3.820	11.798	2.463	5.152	19.894	65.985
December	23.004	3.823	11.789	2.465	5.157	19.875	66.113
1955							
January	23.149	3.826	11.816	2.488	5.174	19.952	66.405
February	23.423	3.839	11.943	2.493	5.204	20.010	66.912
March	23.423	3.848	11.979	2.488	5.213	20.048	66.999
April	23.423	3.867	12.070	2.463	5.217	20.068	67.108
May	23.568	3.889	12.034	2.454	5.217	20.087	67.249
June	23.568	3.889	12.043	2.449	5.217	20.184	67.350
July	23.858	3.939	12.415	2.440	5.290	20.280	68.222
August	23.713	3.993	12.670	2.459	5.367	20.415	68.617
September	24.133	4.027	12.887	2.477	5.428	20.570	69.522
October	23.858	4.033	12.933	2.477	5.441	20.821	69.563
November	24.004	4.015	12.978	2.491	5.445	20.898	69.831
December	24.133	4.021	13.069	2.507	5.475	20.995	70.200
1956							
January	24.278	4.055	13.178	2.546	5.531	21.111	70.699
February	24.278	4.062	13.178	2.550	5.535	21.227	70.830
March	24.423	4.090	13.305	2.543	5.565	21.343	71.269
April	24.568	4.109	13.414	2.537	5.587	21.362	71.577
May	24.423	4.099	13.333	2.541	5.574	21.285	71.255
June	24.713	4.093	13.242	2.534	5.553	21.265	71.400
July	24.843	4.003	13.160	2.539	5.540	21.246	71.421
August	24.713	4.121	13.641	2.543	5.634	21.227	71.879
September	24.988	4.105	13.796	2.548	5.652	21.188	72.277
October	24.988	4.105	13.823	2.562	5.664	21.323	72.465
November	25.133	4.099	13.814	2.550	5.656	21.304	72.556
December	25.423	4.090	13.832	2.614	5.695	21.323	72.977
1957							
January	25.697	4.090	13.823	2.667	5.725	21.343	73.345
February	25.552	4.090	13.750	2.743	5.759	21.285	73.179
March	25.843	4.090	13.714	2.734	5.751	21.227	73.359
April	25.697	4.096	13.632	2.741	5.742	21.188	73.096
May	25.843	4.096	13.623	2.718	5.729	21.207	73.216
June	25.988	4.096	13.678	2.688	5.716	21.207	73.373
July	26.262	4.118	13.841	2.678	5.742	21.246	73.879
August	26.262	4.112	13.914	2.667	5.751	21.265	73.971
September	26.552	4.102	13.823	2.663	5.729	21.265	74.134
October	26.407	4.080	13.696	2.656	5.686	21.323	73.848
November	26.552	4.077	13.659	2.653	5.695	21.323	73.959
December	26.698	4.077	13.669	2.665	5.695	21.362	74.166
Weighted average 2/	26.004	4.096	13.723	2.697	5.729	21.246	73.495

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Cheddar Cheese

Labor $= \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{26.004}{161.2} = .161315$

Building $= \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{4.096}{130.7} = .031339$

Equipment $= \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{13.723}{151.1} = .090821$

Utilities $= \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{2.697}{117.6} = .022934$

Consumable supply $= \frac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \frac{5.729}{133.1} = .043043$

Packaging supply $= \frac{\text{Weighted average packaging supply costs, 1957}}{\text{Weighted average index of combined indices for cotton products, pulp, paper, and allied products, 1957}} = \frac{21.246}{110.0} = .193145$

Table 32.--Costs of receiving a hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Total cost	Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents		Cents	Cents	Cents	Cents	Cents	Cents
1948							1951						
January	5.054	0.798	2.712	2.046	0.427	11.037	January	6.181	0.953	3.478	2.061	0.494	13.167
February	5.174	.802	2.740	2.059	.430	11.205	February	6.228	.957	3.470	2.080	.496	13.231
March	5.153	.807	2.766	2.057	.432	11.215	March	6.275	.958	3.456	2.079	.495	13.263
April	5.201	.809	2.830	2.063	.436	11.339	April	6.228	.958	3.456	2.063	.494	13.199
May	5.258	.813	2.819	2.065	.437	11.392	May	6.228	.957	3.456	2.057	.494	13.192
June	5.243	.817	2.824	2.071	.438	11.393	June	6.275	.951	3.441	2.059	.492	13.218
July	5.337	.828	2.878	2.098	.445	11.586	July	6.370	.946	3.430	2.063	.491	13.300
August	5.368	.846	3.049	2.086	.456	11.805	August	6.275	.943	3.427	2.059	.490	13.194
September	5.484	.848	3.068	2.084	.457	11.941	September	6.417	.941	3.425	2.067	.490	13.340
October	5.479	.845	3.082	2.092	.458	11.956	October	6.370	.941	3.433	2.069	.491	13.304
November	5.489	.843	3.105	2.094	.459	11.990	November	6.370	.939	3.436	2.071	.491	13.307
December	5.510	.839	3.113	2.084	.459	12.005	December	6.506	.935	3.436	2.080	.491	13.448
1949							1952						
January	5.599	.836	3.119	2.075	.456	12.085	January	6.648	.934	3.433	2.080	.490	13.585
February	5.599	.832	3.088	2.046	.452	12.017	February	6.600	.935	3.439	2.077	.490	13.541
March	5.589	.828	3.057	2.011	.447	11.932	March	6.648	.935	3.439	2.080	.490	13.592
April	5.599	.820	2.967	1.976	.439	11.801	April	6.600	.937	3.436	2.059	.489	13.521
May	5.562	.812	2.895	1.953	.432	11.654	May	6.600	.936	3.416	2.053	.488	13.493
June	5.568	.805	2.855	1.943	.428	11.599	June	6.648	.934	3.397	2.051	.486	13.516
July	5.625	.795	2.852	1.939	.426	11.637	July	6.648	.935	3.419	2.053	.488	13.543
August	5.610	.790	2.864	1.937	.426	11.627	August	6.690	.940	3.481	2.049	.492	13.652
September	5.746	.792	2.886	1.947	.428	11.799	September	6.831	.941	3.495	2.057	.493	13.817
October	5.720	.794	2.881	1.962	.429	11.786	October	6.831	.940	3.481	2.065	.492	13.809
November	5.672	.797	2.889	1.958	.430	11.746	November	6.920	.939	3.475	2.067	.492	13.893
December	5.683	.802	2.900	1.955	.431	11.771	December	6.967	.938	3.478	2.077	.493	13.953
1950							1953						
January	5.772	.809	2.925	1.964	.434	11.904	January	7.109	.939	3.478	2.088	.494	14.108
February	5.783	.818	2.942	1.972	.437	11.952	February	7.109	.941	3.495	2.094	.495	14.134
March	5.767	.825	2.939	1.966	.438	11.935	March	7.062	.945	3.520	2.100	.498	14.125
April	5.762	.830	2.951	1.951	.438	11.932	April	7.062	.950	3.506	2.080	.497	14.095
May	5.730	.843	2.990	1.970	.444	11.977	May	7.062	.953	3.526	2.075	.498	14.114
June	5.725	.852	3.052	1.984	.449	12.062	June	7.062	.955	3.559	2.098	.502	14.176
July	5.830	.865	3.063	2.001	.453	12.212	July	7.198	.962	3.627	2.152	.510	14.449
August	5.798	.888	3.108	2.011	.461	12.266	August	7.151	.958	3.629	2.150	.509	14.397
September	5.866	.907	3.179	2.024	.468	12.444	September	7.292	.954	3.604	2.148	.507	14.505
October	5.882	.918	3.256	2.032	.475	12.563	October	7.292	.951	3.587	2.154	.506	14.490
November	5.924	.922	3.301	2.042	.478	12.667	November	7.292	.947	3.587	2.154	.505	14.485
December	6.008	.938	3.419	2.028	.486	12.879	December	7.292	.948	3.576	2.152	.505	14.473

Continued

Table 32.--Costs of receiving a hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Labor	Building	Equipment	Utilities	Consumable supply 1/	Total cost
	Cents	Cents	Cents	Cents	Cents	Cents
1954						
January	7.429	0.948	3.568	2.146	0.504	14.595
February	7.429	.945	3.540	2.140	.502	14.556
March	7.382	.946	3.542	2.115	.500	14.485
April	7.340	.943	3.556	2.104	.500	14.443
May	7.340	.940	3.565	2.096	.499	14.440
June	7.382	.939	3.565	2.088	.498	14.472
July	7.429	.955	3.590	2.057	.500	14.531
August	7.429	.958	3.607	2.071	.503	14.568
September	7.523	.962	3.621	2.071	.504	14.681
October	7.476	.965	3.638	2.071	.505	14.655
November	7.429	.966	3.643	2.080	.506	14.624
December	7.476	.967	3.641	2.082	.507	14.673
1955						
January	7.523	.968	3.649	2.102	.508	14.650
February	7.612	.971	3.688	2.106	.511	14.888
March	7.612	.973	3.700	2.102	.512	14.899
April	7.612	.978	3.728	2.080	.513	14.911
May	7.659	.984	3.716	2.073	.513	14.945
June	7.659	.984	3.719	2.069	.513	14.944
July	7.754	.996	3.834	2.061	.520	15.165
August	7.707	1.010	3.913	2.077	.527	15.234
September	7.843	1.019	3.980	2.092	.533	15.467
October	7.754	1.020	3.994	2.092	.535	15.395
November	7.801	1.015	4.008	2.104	.535	15.463
December	7.843	1.017	4.036	2.117	.538	15.551
1956						
January	7.890	1.026	4.070	2.150	0.544	15.680
February	7.890	1.027	4.070	2.154	.544	15.685
March	7.937	1.034	4.109	2.148	.547	15.775
April	7.984	1.039	4.143	2.142	.549	15.857
May	7.937	1.037	4.117	2.146	.548	15.785
June	8.032	1.035	4.089	2.140	.546	15.842
July	8.074	1.035	4.064	2.144	.544	15.861
August	8.032	1.042	4.213	2.148	.554	15.989
September	8.121	1.038	4.260	2.152	.555	16.126
October	8.121	1.038	4.269	2.164	.557	16.149
November	8.170	1.037	4.266	2.154	.556	16.183
December	8.262	1.034	4.272	2.208	.560	16.336
1957						
January	8.351	1.034	4.269	2.253	.563	16.470
February	8.304	1.034	4.246	2.317	.566	16.467
March	8.399	1.034	4.235	2.309	.565	16.542
April	8.351	1.036	4.210	2.315	.564	16.476
May	8.399	1.036	4.207	2.295	.563	16.500
June	8.446	1.036	4.224	2.270	.562	16.538
July	8.535	1.042	4.275	2.255	.564	16.671
August	8.535	1.040	4.297	2.253	.565	16.690
September	8.629	1.038	4.269	2.249	.563	16.748
October	8.582	1.032	4.230	2.243	.559	16.646
November	8.629	1.031	4.218	2.241	.560	16.679
December	8.677	1.031	4.221	2.251	.560	16.740
Weighted average 2/	8.451	1.036	4.238	2.278	.563	16.566

1/ Consumable supply costs include cleaning supplies, office supplies, laboratory supplies, liability insurance, uniforms and laundry, and other supplies. 2/ The costs and indices are weighted by the volume of milk processed each month during 1957.

Calculation of Constants Used to Adjust 1948-57 Cost Figures for Whole Milk

Labor $= \frac{\text{Weighted average labor costs, 1957}}{\text{Weighted average labor index, 1957}} = \frac{8.451}{161.2} = .052426$

Building $= \frac{\text{Weighted average building costs, 1957}}{\text{Weighted average index of building materials, 1957}} = \frac{1.036}{130.7} = .007927$

Equipment $= \frac{\text{Weighted average equipment costs, 1957}}{\text{Weighted average index of metals and metal products, 1957}} = \frac{4.238}{151.1} = .028048$

Utilities $= \frac{\text{Weighted average utility costs, 1957}}{\text{Weighted average index of fuel, power, and lighting material, 1957}} = \frac{2.278}{117.6} = .019371$

Consumable supply $= \frac{\text{Weighted average consumable supply costs, 1957}}{\text{Weighted average index of combined indices for building material, fuel and lighting material, and metals and metal products, 1957}} = \frac{0.563}{133.1} = .004230$

Table 33--Partial net margins for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of butter	Value of nonfat dry milk	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948								
January	3.73	1.42	5.15	4.66	0.49	0.45	0.13	-0.09
February	3.67	1.40	5.07	4.65	.42	.45	.15	-.18
March	3.52	1.37	4.89	4.12	.77	.45	.15	.17
April	3.63	1.36	4.99	4.20	.79	.46	.15	.18
May	3.52	1.38	4.90	4.09	.81	.46	.16	.19
June	3.52	1.39	4.91	4.10	.82	.46	.16	.20
July	3.45	1.42	4.87	4.06	.81	.47	.15	.19
August	3.32	1.42	4.74	3.94	.80	.47	.14	.19
September	3.16	1.43	4.59	3.78	.81	.48	.12	.21
October	2.83	1.43	4.26	3.78	.48	.48	.10	-.10
November	2.76	1.42	4.18	3.53	.66	.48	.09	.09
December	2.83	1.39	4.22	3.41	.81	.48	.10	.23
1949								
January	2.75	1.10	3.85	3.03	.82	.48	.14	.20
February	2.77	1.03	3.80	2.98	.82	.48	.15	.19
March	2.69	1.02	3.71	2.92	.79	.47	.15	.17
April	2.62	1.04	3.66	2.63	1.03	.47	.16	.40
May	2.61	1.07	3.68	2.65	1.03	.46	.16	.41
June	2.58	1.08	3.66	2.63	1.03	.46	.16	.41
July	2.62	1.10	3.72	2.68	1.04	.46	.15	.43
August	2.70	1.10	3.80	2.80	1.00	.46	.14	.40
September	2.72	1.12	3.84	2.83	1.01	.46	.12	.43
October	2.73	1.11	3.84	2.85	.99	.46	.10	.43
November	2.73	1.11	3.84	2.85	.99	.46	.09	.44
December	2.76	1.11	3.84	2.88	.99	.46	.10	.43
1950								
January	2.73	1.10	3.83	2.76	1.07	.46	.14	.47
February	2.77	1.10	3.87	2.78	1.09	.47	.15	.47
March	2.66	1.10	3.76	2.68	1.08	.46	.15	.47
April	2.62	1.10	3.72	2.64	1.08	.46	.16	.46
May	2.63	1.10	3.73	2.64	1.09	.47	.16	.46
June	2.62	1.10	3.72	2.63	1.09	.47	.16	.46
July	2.64	1.10	3.74	2.64	1.10	.48	.15	.47
August	2.69	1.11	3.80	2.82	.98	.48	.14	.36
September	2.77	1.14	3.91	2.90	1.01	.49	.12	.40
October	2.81	1.15	3.96	2.89	1.07	.49	.10	.48
November	2.83	1.16	3.99	3.03	.96	.50	.09	.37
December	2.91	1.18	4.09	3.19	.90	.51	.11	.28
1951								
January	3.04	1.19	4.23	3.38	0.85	0.52	0.14	0.19
February	3.02	1.20	4.22	3.36	.86	.53	.16	.17
March	2.92	1.21	4.13	3.08	1.05	.53	.16	.36
April	2.91	1.29	4.20	3.14	1.06	.52	.17	.37
May	3.05	1.29	4.34	3.26	1.08	.52	.17	.39
June	2.99	1.29	4.28	3.20	1.08	.52	.17	.39
July	2.94	1.29	4.23	3.18	1.05	.53	.16	.36
August	2.93	1.35	4.28	3.31	.97	.52	.15	.30
September	2.97	1.37	4.34	3.32	1.02	.53	.12	.37
October	3.08	1.38	4.46	3.49	.98	.53	.10	.35
November	3.22	1.38	4.60	3.71	.89	.50	.09	.27
December	3.44	1.38	4.82	3.94	.88	.53	.11	.24
1952								
January	3.49	1.41	4.90	4.01	.89	.53	.18	.18
February	3.67	1.44	5.11	4.12	.99	.53	.21	.25
March	3.20	1.48	4.68	3.60	1.08	.53	.21	.34
April	3.10	1.50	4.60	3.50	1.10	.53	.21	.36
May	3.01	1.51	4.52	3.42	1.10	.53	.22	.35
June	3.00	1.51	4.51	3.40	1.11	.53	.22	.36
July	3.10	1.51	4.61	3.49	1.12	.53	.20	.39
August	3.20	1.51	4.71	3.84	.87	.53	.19	.15
September	3.18	1.51	4.69	3.92	.77	.54	.16	.07
October	3.11	1.51	4.62	3.80	.82	.54	.14	.14
November	3.03	1.51	4.54	3.67	.87	.54	.12	.21
December	2.94	1.48	4.42	3.47	.95	.54	.14	.27
1953								
January	2.89	1.44	4.33	3.30	1.03	.54	.19	.30
February	2.88	1.37	4.25	3.22	1.03	.54	.21	.28
March	2.89	1.36	4.25	3.26	.99	.54	.21	.24
April	2.85	1.32	4.17	3.16	1.01	.54	.22	.25
May	2.84	1.31	4.15	3.11	1.04	.54	.22	.28
June	2.83	1.30	4.13	3.11	1.02	.55	.23	.24
July	2.84	1.29	4.13	3.09	1.04	.56	.21	.27
August	2.85	1.31	4.16	3.13	1.03	.55	.19	.29
September	2.90	1.35	4.25	3.23	1.02	.56	.16	.30
October	2.94	1.41	4.35	3.22	1.13	.56	.14	.43
November	2.92	1.42	4.34	3.21	1.13	.56	.12	.45
December	2.88	1.41	4.29	3.17	1.12	.56	.15	.41

Continued

Table 33.--Partial net margins for butter and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of butter	Value of nonfat dry milk	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1954								
January	2.84	1.38	4.22	3.14	1.08	0.56	0.19	0.33
February	2.84	1.32	4.16	3.12	1.04	.56	.21	.27
March	2.81	1.27	4.08	3.10	.99	.56	.21	.22
April	2.51	1.25	3.76	2.78	.98	.55	.22	.21
May	2.49	1.25	3.74	2.60	1.14	.55	.22	.37
June	2.48	1.25	3.73	2.57	1.16	.55	.23	.38
July	2.49	1.33	3.82	2.71	1.11	.55	.21	.35
August	2.50	1.41	3.91	2.77	1.14	.56	.19	.39
September	2.56	1.42	3.98	2.86	1.12	.56	.16	.40
October	2.59	1.41	4.00	2.89	1.11	.56	.14	.41
November	2.59	1.41	4.00	2.92	1.08	.56	.13	.39
December	2.62	1.41	4.03	2.97	1.06	.56	.15	.35
1955								
January	2.50	1.41	3.91	2.84	1.08	.56	.19	.33
February	2.49	1.36	3.85	2.80	1.05	.57	.22	.26
March	2.48	1.34	3.82	2.79	1.03	.57	.22	.24
April	2.48	1.35	3.83	2.78	1.05	.57	.23	.25
May	2.48	1.35	3.83	2.77	1.06	.57	.23	.26
June	2.47	1.35	3.82	2.77	1.06	.57	.23	.26
July	2.47	1.39	3.86	2.77	1.09	.57	.21	.31
August	2.49	1.40	3.89	2.81	1.09	.58	.20	.31
September	2.52	1.40	3.92	2.85	1.07	.59	.17	.31
October	2.51	1.40	3.91	2.84	1.07	.59	.14	.34
November	2.50	1.40	3.90	2.82	1.08	.59	.13	.36
December	2.51	1.38	3.89	2.83	1.06	.59	.15	.32
1956								
January	2.50	1.38	3.88	2.80	1.08	0.60	0.20	0.28
February	2.50	1.33	3.83	2.77	1.06	.60	.22	.24
March	2.50	1.34	3.84	2.77	1.07	.60	.22	.25
April	2.53	1.33	3.86	2.83	1.03	.60	.23	.20
May	2.56	1.33	3.89	2.90	.99	.60	.23	.16
June	2.56	1.33	3.89	2.88	1.01	.60	.24	.17
July	2.56	1.33	3.89	3.01	.89	.60	.22	.07
August	2.59	1.33	3.92	3.05	.87	.61	.20	.06
September	2.64	1.33	3.97	3.10	.87	.61	.17	.09
October	2.67	1.33	4.00	3.13	.87	.61	.15	.11
November	2.72	1.38	4.10	3.19	.91	.61	.13	.17
December	2.65	1.42	4.07	3.08	.99	.62	.15	.22
1957								
January	2.59	1.42	4.01	3.02	.99	.62	.20	.17
February	2.60	1.42	4.02	3.02	1.00	.63	.23	.14
March	2.59	1.42	4.01	2.95	1.06	.63	.23	.20
April	2.59	1.42	4.01	2.96	1.05	.63	.24	.18
May	2.57	1.42	3.99	2.91	1.08	.63	.24	.21
June	2.57	1.42	3.99	2.92	1.07	.63	.24	.20
July	2.57	1.42	3.99	3.02	.97	.63	.22	.12
August	2.60	1.42	4.02	3.07	.95	.63	.21	.11
September	2.67	1.42	4.07	3.15	.92	.63	.18	.11
October	2.63	1.41	4.04	3.11	.93	.63	.15	.15
November	2.60	1.35	3.95	3.09	.86	.63	.13	.10
December	2.60	1.35	3.95	3.07	.88	.63	.16	.09

Table 34.--Partial net margins for butter and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of butter	Value of condensed skim	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948								
January	3.73	1.45	5.18	4.66	0.52	0.32	0.13	0.07
February	3.67	1.45	5.12	4.65	.47	.33	.15	- .01
March	3.52	1.43	4.95	4.12	.83	.33	.15	.35
April	3.63	1.42	5.05	4.20	.85	.33	.15	.37
May	3.52	1.42	4.94	4.09	.85	.33	.16	.36
June	3.52	1.42	4.94	4.10	.84	.33	.16	.35
July	3.45	1.45	4.90	4.06	.84	.34	.15	.35
August	3.32	1.45	4.77	3.94	.83	.35	.14	.34
September	3.16	1.45	4.61	3.78	.83	.35	.12	.36
October	2.83	1.45	4.28	3.78	.50	.35	.10	.05
November	2.76	1.45	4.21	3.53	.68	.35	.09	.24
December	2.83	1.45	4.28	3.41	.87	.35	.10	.42
1949								
January	2.75	1.45	4.20	3.03	1.17	.35	.14	.68
February	2.77	1.35	4.12	2.98	1.14	.35	.15	.64
March	2.69	1.34	4.03	2.92	1.11	.35	.15	.61
April	2.62	1.22	3.84	2.63	1.21	.34	.16	.71
May	2.61	1.19	3.80	2.65	1.15	.34	.16	.65
June	2.58	1.19	3.77	2.63	1.14	.34	.16	.64
July	2.62	1.21	3.83	2.68	1.15	.34	.15	.66
August	2.70	1.22	3.92	2.80	1.12	.34	.14	.64
September	2.72	1.22	3.94	2.83	1.11	.34	.12	.65
October	2.73	1.22	3.95	2.85	1.10	.34	.10	.66
November	2.73	1.19	3.92	2.85	1.07	.34	.09	.64
December	2.76	1.22	3.98	2.88	1.10	.34	.10	.66
1950								
January	2.73	1.18	3.91	2.76	1.15	.35	.14	.66
February	2.78	1.17	3.95	2.78	1.17	.35	.15	.67
March	2.66	1.17	3.83	2.68	1.15	.35	.15	.65
April	2.62	1.14	3.76	2.64	1.12	.35	.16	.61
May	2.63	1.10	3.73	2.64	1.09	.35	.16	.58
June	2.62	1.00	3.62	2.63	.99	.35	.16	.48
July	2.64	1.10	3.74	2.64	1.10	.35	.15	.60
August	2.69	1.13	3.82	2.82	1.00	.36	.14	.50
September	2.77	1.14	3.91	2.90	1.01	.36	.12	.53
October	2.81	1.16	3.97	2.89	1.08	.37	.10	.61
November	2.83	1.17	4.00	3.03	.97	.37	.09	.51
December	2.91	1.22	4.13	3.19	.94	.38	.11	.45
1951								
January	3.04	1.29	4.33	3.38	0.95	0.38	0.14	0.43
February	3.02	1.29	4.31	3.36	.95	.39	.16	.40
March	2.92	1.29	4.21	3.08	1.13	.39	.16	.58
April	2.91	1.39	4.30	3.14	1.16	.39	.17	.60
May	3.05	1.39	4.44	3.26	1.18	.38	.17	.63
June	2.99	1.39	4.38	3.20	1.18	.39	.17	.62
July	2.94	1.41	4.35	3.18	1.17	.39	.16	.62
August	2.93	1.41	4.34	3.31	1.03	.38	.15	.50
September	2.97	1.41	4.38	3.32	1.06	.39	.12	.55
October	3.08	1.45	4.53	3.49	1.04	.39	.10	.55
November	3.22	1.46	4.68	3.71	.97	.39	.09	.49
December	3.44	1.46	4.90	3.94	.96	.39	.11	.46
1952								
January	3.49	1.58	5.07	4.01	1.06	.39	.18	.49
February	3.67	1.58	5.25	4.12	1.13	.39	.21	.53
March	3.20	1.57	4.77	3.60	1.17	.39	.21	.57
April	3.10	1.57	4.67	3.50	1.17	.39	.21	.57
May	3.01	1.55	4.56	3.42	1.14	.39	.22	.53
June	3.00	1.53	4.53	3.40	1.13	.39	.22	.52
July	3.10	1.54	4.64	3.49	1.15	.39	.20	.56
August	3.20	1.59	4.79	3.84	.95	.40	.19	.36
September	3.18	1.59	4.77	3.92	.85	.40	.16	.29
October	3.11	1.59	4.70	3.80	.90	.40	.14	.36
November	3.03	1.59	4.62	3.67	.95	.40	.12	.43
December	2.94	1.58	4.52	3.47	1.05	.40	.14	.51
1953								
January	2.89	1.52	4.41	3.30	1.11	.41	.19	.51
February	2.88	1.46	4.34	3.22	1.12	.41	.21	.50
March	2.89	1.44	4.33	3.26	1.07	.41	.21	.45
April	2.85	1.42	4.27	3.16	1.11	.41	.22	.48
May	2.84	1.39	4.23	3.11	1.12	.41	.22	.49
June	2.83	1.39	4.22	3.11	1.11	.41	.23	.47
July	2.84	1.39	4.23	3.09	1.14	.42	.21	.51
August	2.85	1.39	4.24	3.13	1.11	.42	.19	.50
September	2.90	1.41	4.31	3.23	1.08	.42	.16	.50
October	2.95	1.42	4.37	3.22	1.15	.42	.14	.59
November	2.92	1.44	4.36	3.21	1.15	.42	.12	.61
December	2.88	1.46	4.34	3.17	1.17	.42	.15	.60

Continued

Table 34.--Partial net margins for butter and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of butter	Value of condensed skim	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1954								
January	2.84	1.46	4.30	3.14	1.16	0.42	0.19	0.55
February	2.84	1.43	4.27	3.12	1.15	.42	.21	.52
March	2.81	1.36	4.17	3.10	1.07	.42	.21	.44
April	2.51	1.27	3.78	2.78	1.00	.42	.22	.36
May	2.49	1.27	3.76	2.60	1.16	.42	.22	.52
June	2.48	1.27	3.84	2.57	1.18	.42	.23	.53
July	2.49	1.35	3.84	2.71	1.13	.42	.21	.50
August	2.50	1.44	3.94	2.77	1.17	.42	.19	.56
September	2.57	1.44	4.01	2.86	1.15	.42	.16	.57
October	2.59	1.44	4.03	2.89	1.14	.42	.14	.58
November	2.59	1.46	4.05	2.92	1.13	.42	.13	.58
December	2.62	1.46	4.08	2.97	1.11	.42	.15	.54
1955								
January	2.50	1.44	3.94	2.84	1.10	.42	.19	.49
February	2.49	1.44	3.93	2.80	1.13	.43	.22	.48
March	2.48	1.43	3.91	2.79	1.12	.43	.22	.47
April	2.48	1.42	3.90	2.78	1.12	.43	.23	.46
May	2.48	1.35	3.83	2.77	1.06	.43	.23	.40
June	2.47	1.35	3.82	2.77	1.05	.43	.23	.39
July	2.47	1.36	3.83	2.77	1.06	.44	.21	.41
August	2.49	1.42	3.91	2.81	1.10	.44	.20	.46
September	2.53	1.42	3.95	2.85	1.10	.44	.17	.49
October	2.51	1.42	3.93	2.84	1.09	.44	.14	.51
November	2.50	1.42	3.92	2.82	1.10	.45	.13	.52
December	2.51	1.42	3.93	2.83	1.10	.45	.15	.50
1956								
January	2.50	1.42	3.92	2.80	1.12	0.45	0.20	0.47
February	2.50	1.42	3.92	2.77	1.15	.45	.22	.48
March	2.50	1.42	3.92	2.77	1.15	.45	.22	.48
April	2.53	1.39	3.92	2.83	1.09	.46	.23	.40
May	2.56	1.39	3.95	2.90	1.05	.45	.23	.37
June	2.56	1.39	3.95	2.88	1.07	.46	.24	.37
July	2.56	1.47	4.03	3.01	1.02	.46	.22	.34
August	2.59	1.47	4.06	3.05	1.01	.46	.20	.35
September	2.64	1.48	4.12	3.10	1.02	.46	.17	.39
October	2.67	1.48	4.15	3.13	1.02	.46	.15	.41
November	2.72	1.50	4.22	3.19	1.03	.47	.13	.43
December	2.65	1.50	4.15	3.08	1.07	.47	.15	.45
1957								
January	2.59	1.50	4.09	3.02	1.07	.47	.20	.40
February	2.60	1.50	4.10	3.02	1.08	.47	.23	.38
March	2.59	1.50	4.09	2.95	1.14	.48	.23	.43
April	2.59	1.50	4.09	2.96	1.13	.47	.24	.42
May	2.57	1.50	4.07	2.91	1.16	.47	.24	.45
June	2.57	1.50	4.07	2.92	1.15	.48	.24	.43
July	2.57	1.50	4.07	3.02	1.05	.48	.22	.35
August	2.60	1.52	4.12	3.07	1.05	.48	.21	.36
September	2.67	1.54	4.21	3.15	1.06	.48	.18	.40
October	2.63	1.55	4.18	3.11	1.07	.48	.15	.44
November	2.60	1.55	4.15	3.09	1.06	.48	.13	.45
December	2.60	1.55	4.15	3.07	1.08	.48	.16	.44

Table 35.--Partial margins for butter and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of butter	Value of: creamed cottage cheese	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948								
January	3.18	2.31	5.49	4.66	0.83	0.38	0.13	0.32
February	3.12	2.31	5.43	4.65	.87	.38	.15	.25
March	2.99	2.31	5.30	4.12	1.18	.38	.15	.65
April	3.09	2.31	5.40	4.20	1.20	.38	.15	.67
May	2.99	2.31	5.30	4.09	1.21	.38	.16	.67
June	3.00	2.39	5.39	4.10	1.29	.39	.16	.74
July	2.93	2.46	5.39	4.06	1.33	.39	.15	.79
August	2.82	2.46	5.28	3.94	1.34	.40	.14	.80
September	2.69	2.46	5.15	3.78	1.37	.40	.12	.85
October	2.41	2.46	4.87	3.78	1.09	.40	.10	.59
November	2.35	2.46	4.81	3.53	1.28	.40	.09	.79
December	2.41	2.39	4.80	3.41	1.39	.40	.10	.89
1949								
January	2.34	2.24	4.58	3.03	1.55	.42	.14	.99
February	2.35	2.24	4.59	2.98	1.61	.42	.15	1.04
March	2.28	2.09	4.37	2.92	1.45	.42	.15	.88
April	2.22	2.01	4.23	2.63	1.60	.41	.16	1.03
May	2.22	2.01	4.23	2.65	1.58	.41	.16	1.01
June	2.19	1.94	4.13	2.63	1.50	.41	.16	.93
July	2.22	1.94	4.16	2.68	1.48	.41	.15	.92
August	2.29	1.94	4.23	2.80	1.43	.41	.14	.88
September	2.31	1.94	4.25	2.83	1.42	.41	.12	.89
October	2.32	1.94	4.26	2.85	1.41	.41	.10	.90
November	2.32	1.94	4.26	2.85	1.41	.41	.09	.91
December	2.34	1.94	4.28	2.88	1.40	.41	.10	.89
1950								
January	2.32	1.86	4.18	2.76	1.42	.41	.14	.87
February	2.36	1.86	4.22	2.78	1.44	.41	.15	.88
March	2.26	1.86	4.12	2.68	1.44	.41	.15	.88
April	2.23	1.71	3.94	2.64	1.30	.41	.16	.73
May	2.23	1.71	3.94	2.64	1.30	.41	.16	.73
June	2.23	1.71	3.94	2.63	1.31	.42	.16	.73
July	2.25	1.79	4.04	2.64	1.40	.42	.15	.83
August	2.29	1.79	4.08	2.82	1.26	.42	.14	.70
September	2.36	1.94	4.30	2.90	1.40	.42	.12	.86
October	2.39	2.01	4.40	2.89	1.51	.43	.10	.98
November	2.41	2.01	4.42	3.03	1.39	.43	.09	.87
December	2.47	2.09	4.56	3.19	1.37	.44	.11	.82
1951								
January	2.58	2.16	4.74	3.38	1.36	0.44	0.14	0.78
February	2.57	2.16	4.73	3.36	1.37	.46	.16	.75
March	2.48	2.16	4.64	3.08	1.56	.46	.16	.94
April	2.48	2.16	4.64	3.14	1.50	.46	.17	.87
May	2.59	2.16	4.75	3.26	1.49	.46	.17	.86
June	2.54	2.24	4.78	3.20	1.58	.46	.17	.95
July	2.50	2.24	4.74	3.18	1.56	.46	.16	.94
August	2.49	2.24	4.73	3.31	1.42	.46	.15	.81
September	2.52	2.24	4.76	3.32	1.44	.46	.12	.86
October	2.62	2.38	5.00	3.49	1.51	.46	.10	.95
November	2.74	2.38	5.12	3.71	1.41	.46	.09	.86
December	2.93	2.38	5.31	3.94	1.37	.47	.11	.79
1952								
January	2.96	2.38	5.34	4.01	1.33	.47	.18	.68
February	3.12	2.38	5.50	4.12	1.38	.47	.21	.70
March	2.72	2.46	5.18	3.60	1.58	.47	.21	.90
April	2.63	2.38	5.01	3.50	1.51	.47	.21	.83
May	2.55	2.38	4.93	3.42	1.51	.47	.22	.82
June	2.55	2.38	4.93	3.40	1.53	.47	.22	.84
July	2.63	2.38	5.01	3.49	1.52	.47	.20	.85
August	2.72	2.38	5.10	3.84	1.26	.48	.19	.59
September	2.70	2.38	5.08	3.92	1.16	.48	.16	.52
October	2.64	2.38	5.02	3.80	1.22	.48	.14	.60
November	2.58	2.38	4.96	3.67	1.29	.48	.12	.69
December	2.50	2.38	4.88	3.47	1.41	.48	.14	.79
1953								
January	2.45	2.38	4.83	3.30	1.53	.49	.19	.85
February	2.45	2.31	4.76	3.22	1.54	.49	.21	.84
March	2.45	2.31	4.76	3.26	1.50	.49	.21	.80
April	2.42	2.31	4.73	3.16	1.57	.49	.22	.86
May	2.41	2.31	4.72	3.11	1.61	.49	.22	.90
June	2.40	2.31	4.71	3.11	1.60	.49	.23	.88
July	2.40	2.31	4.71	3.09	1.62	.49	.21	.92
August	2.42	2.31	4.73	3.13	1.60	.49	.19	.92
September	2.46	2.38	4.84	3.23	1.61	.50	.16	.95
October	2.50	2.38	4.88	3.22	1.66	.50	.14	1.02
November	2.48	2.38	4.86	3.21	1.65	.50	.12	1.03
December	2.44	2.38	4.82	3.17	1.65	.49	.15	1.01

Continued

Table 35.--Partial net margins for butter and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of butter	Value of creamed cottage cheese	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin	Year and month	Value of butter	Value of creamed cottage cheese	Total value	Raw milk cost	Gross margin	Processing cost	Cost of feeder milk	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.		Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1954									1956								
January	2.41	2.38	4.79	3.14	1.65	0.50	0.19	0.96	January	2.12	2.46	4.58	2.80	1.78	0.53	0.20	1.05
February	2.40	2.38	4.78	3.12	1.66	.50	.21	.95	February	2.12	2.46	4.58	2.77	1.81	.53	.22	1.06
March	2.38	2.31	4.69	3.10	1.59	.50	.21	.88	March	2.12	2.46	4.58	2.77	1.81	.54	.22	1.05
April	2.13	2.31	4.44	2.78	1.66	.49	.22	.95	April	2.14	2.38	4.52	2.83	1.69	.54	.23	.92
May	2.11	2.31	4.42	2.60	1.82	.49	.22	1.11	May	2.17	2.38	4.55	2.90	1.65	.55	.23	.87
June	2.10	2.31	4.41	2.57	1.84	.49	.23	1.12	June	2.17	2.38	4.55	2.88	1.67	.55	.24	.88
July	2.11	2.31	4.42	2.71	1.71	.50	.21	1.00	July	2.17	2.46	4.63	3.01	1.62	.55	.22	.85
August	2.12	2.38	4.50	2.77	1.73	.50	.19	1.04	August	2.19	2.53	4.72	3.05	1.67	.55	.20	.92
September	2.17	2.38	4.55	2.86	1.69	.50	.16	1.03	September	2.24	2.46	4.70	3.10	1.60	.55	.17	.88
October	2.19	2.38	4.57	2.89	1.68	.50	.14	1.04	October	2.27	2.46	4.73	3.13	1.60	.55	.15	.90
November	2.19	2.38	4.57	2.92	1.65	.50	.13	1.02	November	2.31	2.53	4.84	3.19	1.65	.56	.13	.96
December	2.22	2.38	4.60	2.97	1.63	.50	.15	.98	December	2.24	2.53	4.77	3.08	1.69	.56	.15	.98
1955									1957								
January	2.12	2.38	4.50	2.84	1.66	.50	.19	.97	January	2.19	2.53	4.72	3.02	1.70	.56	.20	.94
February	2.11	2.38	4.49	2.80	1.69	.51	.22	.96	February	2.20	2.53	4.73	3.02	1.71	.56	.23	.92
March	2.10	2.38	4.48	2.79	1.69	.51	.22	.96	March	2.19	2.53	4.72	2.95	1.77	.57	.23	.97
April	2.10	2.38	4.48	2.78	1.70	.51	.23	.96	April	2.19	2.53	4.72	2.96	1.76	.56	.24	.96
May	2.10	2.38	4.48	2.77	1.71	.51	.23	.97	May	2.18	2.53	4.71	2.91	1.80	.57	.24	.99
June	2.10	2.38	4.48	2.77	1.71	.51	.23	.97	June	2.18	2.53	4.71	2.92	1.79	.57	.24	.98
July	2.10	2.38	4.48	2.77	1.71	.51	.21	.99	July	2.18	2.53	4.71	3.02	1.69	.58	.22	.89
August	2.11	2.45	4.56	2.81	1.75	.52	.20	1.03	August	2.20	2.60	4.80	3.07	1.73	.58	.21	.94
September	2.14	2.45	4.59	2.85	1.74	.52	.17	1.05	September	2.26	2.60	4.86	3.15	1.71	.58	.18	.95
October	2.13	2.45	4.58	2.84	1.74	.53	.14	1.07	October	2.23	2.60	4.83	3.11	1.72	.58	.15	.99
November	2.12	2.45	4.57	2.82	1.75	.53	.13	1.09	November	2.20	2.60	4.80	3.09	1.71	.58	.13	1.00
December	2.13	2.45	4.58	2.83	1.75	.53	.15	1.07	December	2.21	2.60	4.81	3.07	1.74	.58	.16	1.00

Table 36.--Partial net margins for cream for manufacture and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of cream	Value of nonfat dry milk	Total value	Cost of raw milk when cream is used for-- Ice cream and frozen cream 1/	Cost of raw milk when cream is used for-- Other purposes	Gross margin when cream is used for-- Ice cream and frozen cream 1/	Gross margin when cream is used for-- Other purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for-- Ice cream and frozen cream 1/	Partial net margin when cream is used for-- Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	4.37	1.34	5.71	4.65	4.92	1.06	0.79	0.43	0.13	0.50	0.23
February	4.40	1.32	5.72	4.65	4.91	1.07	.81	.44	.15	.48	.22
March	4.18	1.30	5.48	4.47	4.69	1.01	.79	.44	.15	.42	.20
April	4.16	1.29	5.45	4.57	4.78	.88	.67	.44	.15	.29	.08
May	4.09	1.30	5.39	4.50	4.71	.89	.68	.44	.16	.29	.08
June	4.24	1.32	5.56	4.49	4.70	1.07	.86	.44	.16	.47	.26
July	4.37	1.34	5.71	4.59	4.80	1.12	.91	.45	.15	.52	.31
August	4.46	1.34	5.80	4.50	4.77	1.30	1.03	.45	.14	.71	.44
September	4.35	1.35	5.70	4.35	4.61	1.35	1.09	.46	.12	.77	.51
October	3.96	1.35	5.31	3.78	4.09	1.53	1.22	.46	.10	.97	.66
November	3.67	1.34	5.01	3.53	3.79	1.48	1.22	.46	.09	.93	.67
December	3.60	1.31	4.91	3.52	3.78	1.39	1.13	.46	.10	.83	.57
1949											
January	3.54	1.04	4.58	3.12	3.38	1.46	1.30	.46	.14	.86	.60
February	3.33	.97	4.30	3.02	3.28	1.28	1.02	.46	.15	.67	.41
March	3.09	.97	4.06	2.97	3.18	1.09	.88	.45	.15	.49	.28
April	2.96	.99	3.95	2.77	2.78	1.18	1.17	.45	.16	.57	.56
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	2.81	1.01	3.82	2.80		1.02		.44	.16	.42	
June	2.84	1.02	3.86	2.77		1.09		.44	.16	.49	
July	2.90	1.04	3.94	2.82		1.12		.44	.15	.53	
August	3.07	1.04	4.11	2.95		1.16		.44	.14	.58	
September	3.01	1.06	4.07	2.98		1.09		.44	.12	.53	
October	2.92	1.05	3.97	2.99		.98		.44	.10	.44	
November	2.88	1.05	3.93	2.99		.94		.44	.09	.41	
December	2.94	1.05	3.99	3.00		.97		.44	.10	.43	
1950											
January	2.93	1.04	3.97	2.90		1.07		.44	.14	.49	
February	2.85	1.04	3.89	2.93		.96		.45	.15	.36	
March	2.82	1.04	3.86	2.82		1.04		.45	.15	.44	
April	2.78	1.04	3.82	2.79		1.03		.44	.16	.43	
May	2.78	1.04	3.82	2.78		1.04		.45	.16	.43	
June	2.78	1.04	3.82	2.78		1.04		.45	.16	.43	
July	2.82	1.04	3.86	2.79		1.07		.46	.15	.46	
August	2.95	1.04	3.99	2.97		1.02		.46	.14	.42	
September	3.06	1.08	4.14	3.04		1.10		.47	.12	.51	
October	3.08	1.09	4.17	3.03		1.14		.47	.10	.57	
November	3.12	1.09	4.21	3.18		1.03		.48	.09	.46	
December	3.23	1.11	4.34	3.33		1.01		.49	.11	.41	
1951											
January	3.38	1.12	4.50	3.53		.97		.50	.14	.33	
February	3.46	1.13	4.59	3.50		1.09		.50	.16	.43	
March	3.34	1.14	4.48	3.23		1.25		.50	.16	.59	
April	3.32	1.22	4.54	3.29		1.25		.50	.17	.58	
May	3.34	1.22	4.56	3.41		1.15		.50	.17	.48	
June	3.29	1.22	4.51	3.35		1.16		.50	.17	.49	
July	3.23	1.22	4.45	3.33		1.12		.50	.16	.46	
August	3.28	1.27	4.55	3.45		1.10		.50	.15	.45	
September	3.29	1.29	4.58	3.46		1.12		.50	.12	.50	
October	3.36	1.30	4.66	3.63		1.03		.50	.10	.43	
November	3.43	1.30	4.73	3.86		.87		.50	.09	.28	
December	3.70	1.30	5.00	4.09		.91		.51	.11	.29	

Continued

1/ See footnote at end of table.

Table 36.--Partial net margins for cream for manufacture and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of nonfat dry milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January	3.81	1.33	5.14	4.16	0.98	0.51	0.18	0.29
February	3.86	1.36	5.22	4.27	.95	.51	.21	.23
March	3.63	1.40	5.03	3.74	1.29	.51	.21	.57
April	3.31	1.42	4.73	3.65	1.08	.51	.21	.36
May	3.22	1.42	4.64	3.58	1.06	.51	.22	.33
June	3.20	1.42	4.62	3.54	1.08	.51	.22	.35
July	3.37	1.42	4.79	3.64	1.15	.51	.20	.44
August	3.60	1.42	5.02	3.99	1.03	.51	.19	.33
September	3.60	1.42	5.02	3.99	1.03	.51	.16	.36
October	3.56	1.42	4.98	3.90	1.08	.51	.14	.43
November	3.45	1.42	4.87	3.78	1.09	.51	.12	.46
December	3.31	1.40	4.71	3.62	1.09	.52	.14	.43
1953								
January	3.12	1.36	4.48	3.45	1.03	.52	.19	.32
February	3.08	1.30	4.38	3.37	1.01	.52	.21	.28
March	2.99	1.28	4.27	3.40	.87	.52	.21	.14
April	2.90	1.25	4.15	3.31	.84	.52	.22	.10
May	2.88	1.24	4.12	3.25	.87	.52	.22	.13
June	2.88	1.23	4.11	3.26	.85	.52	.23	.10
July	3.02	1.22	4.24	3.23	1.01	.53	.21	.27
August	3.08	1.23	4.31	3.27	1.04	.53	.19	.32
September	3.12	1.28	4.40	3.38	1.02	.53	.16	.33
October	3.12	1.33	4.45	3.36	1.09	.53	.14	.42
November	3.08	1.34	4.42	3.35	1.07	.53	.12	.42
December	3.08	1.34	4.42	3.32	1.10	.53	.15	.42
1954								
January	3.04	1.31	4.35	3.28	1.07	.53	.19	.35
February	3.01	1.25	4.26	3.27	.99	.53	.21	.25
March	2.86	1.20	4.06	3.24	.82	.53	.21	.08
April	2.59	1.18	3.77	2.93	.84	.53	.22	.09
May	2.54	1.18	3.72	2.75	.97	.53	.22	.22
June	2.54	1.18	3.72	2.72	1.00	.53	.23	.24
July	2.66	1.26	3.92	2.86	1.06	.53	.21	.32
August	2.77	1.34	4.11	2.91	1.20	.53	.19	.48
September	2.80	1.34	4.14	3.00	1.14	.53	.16	.45
October	2.77	1.34	4.11	3.04	1.07	.53	.14	.40
November	2.77	1.33	4.10	3.07	1.03	.53	.13	.37
December	2.80	1.33	4.13	3.12	1.01	.53	.15	.33
1955								
January	2.72	1.33	4.05	2.98	1.07	.54	.19	.34
February	2.63	1.28	3.91	2.95	.96	.54	.22	.20
March	2.62	1.27	3.89	2.93	.96	.54	.22	.20
April	2.62	1.27	3.89	2.92	.97	.54	.23	.20
May	2.62	1.28	3.90	2.92	.98	.54	.23	.21
June	2.62	1.28	3.90	2.91	.99	.54	.23	.22
July	2.72	1.31	4.03	2.92	1.11	.55	.21	.35
August	2.83	1.32	4.15	2.95	1.20	.55	.20	.45
September	2.83	1.32	4.15	3.00	1.15	.56	.17	.42
October	2.74	1.32	4.06	2.98	1.08	.56	.14	.38
November	2.78	1.32	4.10	2.97	1.13	.56	.13	.44
December	2.76	1.31	4.07	2.98	1.09	.57	.15	.37

Continued

Table 36.--Partial net margins for cream for manufacture and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of nonfat dry milk	Total value	Cost of raw milk: when cream is used for all manufacturing purposes	Gross margin: when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January	2.74	1.30	4.04	2.95	1.09	0.57	0.20	0.32
February	2.72	1.26	3.98	2.92	1.06	.57	.22	.27
March	2.71	1.27	3.98	2.92	1.06	.57	.22	.27
April	2.68	1.26	3.94	2.98	.96	.58	.23	.15
May	2.71	1.26	3.97	3.01	.96	.58	.23	.15
June	2.74	1.26	4.00	2.99	1.01	.58	.24	.19
July	2.80	1.26	4.06	3.11	.95	.58	.22	.15
August	2.84	1.26	4.10	3.16	.94	.58	.20	.16
September	2.90	1.26	4.16	3.21	.95	.58	.17	.20
October	2.92	1.26	4.18	3.23	.95	.58	.15	.22
November	3.01	1.30	4.31	3.30	1.01	.59	.13	.29
December	2.97	1.34	4.31	3.19	1.12	.59	.15	.38
1957								
January	2.88	1.34	4.22	3.13	1.09	.60	.20	.29
February	2.88	1.34	4.22	3.13	1.09	.60	.23	.26
March	2.88	1.34	4.22	3.10	1.12	.60	.23	.29
April	2.84	1.34	4.18	3.10	1.08	.60	.24	.24
May	2.82	1.34	4.16	3.06	1.10	.60	.24	.26
June	2.82	1.34	4.16	3.06	1.10	.60	.24	.26
July	2.88	1.34	4.22	3.13	1.09	.60	.22	.27
August	2.97	1.34	4.31	3.17	1.14	.60	.21	.33
September	3.01	1.34	4.35	3.26	1.09	.60	.18	.31
October	2.99	1.33	4.32	3.22	1.10	.60	.15	.35
November	2.97	1.28	4.25	3.20	1.05	.60	.13	.32
December	2.97	1.28	4.25	3.17	1.08	.60	.16	.32

1/ Ice cream for sale in New York City only. Before April 1949, milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufacturing purposes was put in Class III.

Table 37.--Partial net margins for cream and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of cream	Value of condensed skim milk	Total value	Cost of raw milk when cream is used for--		Gross margin when cream is used for--		Processing cost	Cost of feeder milk	Partial net margin when cream is used for--	
				Ice cream and frozen cream 1/	Other purposes	Ice cream and frozen cream 1/	Other purposes			Ice cream and frozen cream 1/	Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	4.37	1.45	5.82	4.65	4.92	1.17	0.90	0.30	0.13	0.74	0.47
February	4.39	1.45	5.84	4.65	4.91	1.19	.93	.31	.15	.73	.47
March	4.18	1.43	5.61	4.47	4.69	1.14	.92	.31	.15	.68	.46
April	4.16	1.42	5.58	4.57	4.78	1.01	.80	.31	.15	.55	.34
May	4.09	1.42	5.51	4.50	4.71	1.01	.80	.31	.16	.54	.33
June	4.24	1.42	5.66	4.49	4.70	1.17	.96	.31	.16	.70	.49
July	4.37	1.45	5.82	4.59	4.80	1.23	1.02	.32	.15	.76	.55
August	4.46	1.45	5.91	4.50	4.77	1.41	1.14	.33	.14	.94	.67
September	4.35	1.45	5.80	4.35	4.61	1.45	1.19	.33	.12	1.00	.74
October	3.97	1.45	5.42	3.78	4.09	1.64	1.33	.33	.10	1.21	.90
November	3.67	1.45	5.12	3.53	3.79	1.59	1.33	.33	.09	1.17	.91
December	3.60	1.45	5.05	3.52	3.78	1.53	1.27	.33	.10	1.10	.84
1949											
January	3.54	1.45	4.99	3.12	3.38	1.87	1.61	.32	.14	1.41	1.15
February	3.33	1.35	4.68	3.02	3.28	1.66	1.40	.33	.15	1.18	.92
March	3.09	1.34	4.43	2.97	3.18	1.46	1.25	.33	.15	.98	.78
April	2.96	1.22	4.18	2.77	2.78	1.41	1.40	.32	.16	.93	.92
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	2.81	1.19	4.00	2.80		1.20		.32	.16	.72	
June	2.83	1.19	4.02	2.77		1.25		.32	.16	.77	
July	2.90	1.21	4.11	2.82		1.29		.32	.15	.82	
August	3.07	1.22	4.29	2.95		1.34		.32	.14	.88	
September	3.01	1.22	4.23	2.98		1.25		.32	.12	.81	
October	2.92	1.22	4.14	2.99		1.15		.32	.10	.73	
November	2.88	1.19	4.07	2.99		1.08		.32	.09	.67	
December	2.94	1.22	4.16	3.02		1.14		.32	.10	.72	
1950											
January	2.93	1.18	4.11	2.90		1.21		.33	.14	.74	
February	2.84	1.17	4.01	2.93		1.08		.33	.15	.60	
March	2.82	1.17	3.99	2.82		1.17		.33	.15	.69	
April	2.78	1.14	3.92	2.79		1.10		.33	.16	.61	
May	2.78	1.10	3.88	2.78		1.10		.33	.16	.61	
June	2.78	1.00	3.78	2.78		1.00		.33	.16	.51	
July	2.82	1.10	3.92	2.79		1.13		.33	.15	.65	
August	2.95	1.13	4.08	2.97		1.11		.34	.14	.63	
September	3.06	1.14	4.20	3.04		1.16		.34	.12	.70	
October	3.08	1.16	4.24	3.03		1.21		.34	.10	.77	
November	3.12	1.17	4.29	3.18		1.11		.35	.09	.67	
December	3.23	1.22	4.45	3.33		1.12		.35	.11	.66	
1951											
January	3.38	1.29	4.67	3.53		1.14		.36	.14	.64	
February	3.47	1.29	4.76	3.50		1.26		.36	.16	.74	
March	3.34	1.29	4.63	3.23		1.40		.36	.16	.88	
April	3.32	1.39	4.71	3.29		1.42		.36	.17	.89	
May	3.34	1.39	4.73	3.41		1.32		.36	.17	.79	
June	3.30	1.39	4.69	3.35		1.34		.36	.17	.81	
July	3.23	1.41	4.64	3.33		1.31		.36	.16	.79	
August	3.28	1.41	4.69	3.45		1.24		.36	.15	.73	
September	3.30	1.41	4.71	3.46		1.25		.36	.12	.77	
October	3.36	1.45	4.81	3.63		1.18		.36	.10	.72	
November	3.42	1.46	4.88	3.86		1.02		.36	.09	.57	
December	3.70	1.46	5.16	4.09		1.07		.37	.11	.59	

Continued

1/ See footnote at end of table.

Table 37.--Partial net margins for cream and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of: condensed skim milk	Total value	Cost of raw milk: when cream is used for all manufacturing purposes	Gross margin: when cream is: used for all: manufacturing: purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January	3.81	1.58	5.39	4.16	1.23	0.37	0.18	0.68
February	3.86	1.58	5.44	4.27	1.17	.37	.21	.59
March	3.62	1.57	5.19	3.74	1.45	.37	.21	.87
April	3.31	1.57	4.88	3.65	1.23	.37	.21	.65
May	3.22	1.55	4.77	3.58	1.19	.37	.22	.60
June	3.20	1.53	4.73	3.54	1.19	.37	.22	.60
July	3.37	1.54	4.91	3.64	1.27	.37	.20	.70
August	3.60	1.59	5.19	3.99	1.20	.37	.19	.64
September	3.60	1.59	5.19	3.99	1.20	.38	.16	.66
October	3.56	1.59	5.15	3.90	1.25	.37	.14	.74
November	3.45	1.59	5.04	3.78	1.26	.38	.12	.76
December	3.31	1.58	4.89	3.62	1.27	.38	.14	.75
1953								
January	3.12	1.52	4.64	3.45	1.19	.38	.19	.62
February	3.08	1.46	4.54	3.37	1.17	.38	.21	.58
March	2.99	1.44	4.43	3.40	1.03	.38	.21	.44
April	2.90	1.42	4.32	3.31	1.01	.38	.22	.41
May	2.89	1.39	4.28	3.25	1.03	.38	.22	.43
June	2.89	1.39	4.28	3.26	1.02	.38	.23	.41
July	3.01	1.39	4.40	3.23	1.17	.39	.21	.57
August	3.08	1.39	4.47	3.27	1.20	.39	.19	.62
September	3.12	1.41	4.53	3.38	1.15	.39	.16	.60
October	3.12	1.42	4.54	3.36	1.18	.39	.14	.65
November	3.08	1.44	4.52	3.35	1.17	.39	.12	.66
December	3.08	1.46	4.54	3.32	1.22	.39	.15	.68
1954								
January	3.05	1.46	4.51	3.28	1.23	.39	.19	.65
February	3.01	1.43	4.44	3.27	1.17	.39	.21	.57
March	2.86	1.36	4.22	3.24	.98	.39	.21	.38
April	2.59	1.27	3.86	2.93	.93	.39	.22	.32
May	2.54	1.27	3.81	2.75	1.06	.39	.22	.45
June	2.54	1.27	3.81	2.72	1.09	.39	.23	.47
July	2.66	1.35	4.01	2.86	1.15	.39	.21	.55
August	2.78	1.44	4.22	2.91	1.31	.39	.19	.73
September	2.80	1.44	4.24	3.00	1.24	.40	.16	.68
October	2.78	1.44	4.22	3.04	1.18	.40	.14	.64
November	2.78	1.46	4.24	3.07	1.17	.39	.13	.65
December	2.80	1.46	4.26	3.12	1.14	.40	.15	.59
1955								
January	2.72	1.44	4.16	2.98	1.18	.40	.19	.59
February	2.63	1.44	4.07	2.95	1.12	.40	.22	.50
March	2.61	1.43	4.04	2.93	1.11	.40	.22	.49
April	2.61	1.42	4.03	2.92	1.11	.40	.23	.48
May	2.61	1.35	3.96	2.92	1.04	.40	.23	.41
June	2.61	1.35	3.96	2.91	1.05	.40	.23	.42
July	2.72	1.36	4.08	2.92	1.16	.41	.21	.54
August	2.82	1.42	4.24	2.95	1.29	.41	.20	.68
September	2.82	1.42	4.24	3.00	1.24	.42	.17	.65
October	2.74	1.42	4.16	2.98	1.18	.42	.14	.62
November	2.78	1.42	4.20	2.97	1.23	.42	.13	.68
December	2.76	1.42	4.18	2.98	1.20	.42	.15	.63

Continued

Table 37.--Partial net margins for cream and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of condensed skim milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January	2.73	1.42	4.15	2.95	1.20	0.42	0.20	0.58
February	2.72	1.42	4.14	2.92	1.22	.42	.22	.58
March	2.71	1.42	4.13	2.92	1.21	.43	.22	.56
April	2.68	1.39	4.07	2.98	1.09	.43	.23	.43
May	2.71	1.39	4.10	3.01	1.09	.43	.23	.43
June	2.73	1.39	4.12	2.99	1.13	.43	.24	.46
July	2.80	1.47	4.27	3.11	1.16	.43	.22	.51
August	2.84	1.47	4.31	3.16	1.15	.43	.20	.52
September	2.90	1.48	4.38	3.21	1.17	.44	.17	.56
October	2.92	1.48	4.40	3.23	1.17	.44	.15	.58
November	3.01	1.50	4.51	3.30	1.21	.44	.13	.64
December	2.96	1.50	4.46	3.19	1.27	.44	.15	.68
1957								
January	2.88	1.50	4.38	3.13	1.25	.44	.20	.61
February	2.88	1.50	4.38	3.13	1.25	.44	.23	.58
March	2.88	1.50	4.38	3.10	1.28	.45	.23	.60
April	2.84	1.50	4.34	3.10	1.24	.45	.24	.55
May	2.82	1.50	4.32	3.06	1.26	.45	.24	.57
June	2.82	1.50	4.32	3.06	1.26	.45	.24	.57
July	2.88	1.50	4.38	3.13	1.25	.45	.22	.58
August	2.97	1.52	4.49	3.17	1.32	.45	.21	.66
September	3.01	1.54	4.55	3.26	1.29	.45	.18	.66
October	2.99	1.55	4.54	3.22	1.32	.45	.15	.72
November	2.97	1.55	4.52	3.20	1.32	.45	.13	.74
December	2.97	1.55	4.52	3.17	1.35	.45	.16	.74

1/ Ice cream for sale in New York City only. Before April 1949, milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufacturing purposes was put in Class III.

Table 38.--Partial net margins for cream and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of cream	Value of creamed cottage cheese	Total value	Cost of raw milk when cream is used for-- Ice cream and frozen cream 1/	Cost of raw milk when cream is used for-- Other purposes	Gross margin when cream is used for-- Ice cream and frozen cream 1/	Gross margin when cream is used for-- Other purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for-- Ice cream and frozen cream 1/	Partial net margin when cream is used for-- Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	3.72	2.31	6.03	4.65	4.92	1.38	1.11	0.37	0.13	0.88	0.61
February	3.74	2.31	6.05	4.65	4.91	1.40	1.14	.38	.15	.87	.61
March	3.56	2.31	5.87	4.47	4.69	1.40	1.18	.38	.15	.87	.65
April	3.54	2.31	5.85	4.57	4.78	1.28	1.07	.38	.15	.75	.54
May	3.48	2.31	5.79	4.50	4.71	1.29	1.08	.38	.16	.75	.54
June	3.61	2.39	6.00	4.49	4.70	1.51	1.30	.38	.16	.97	.76
July	3.72	2.46	6.18	4.59	4.80	1.59	1.38	.39	.15	1.05	.84
August	3.79	2.46	6.25	4.50	4.77	1.75	1.48	.39	.14	1.22	.95
September	3.70	2.46	6.16	4.35	4.61	1.81	1.55	.40	.12	1.29	1.03
October	3.37	2.46	5.83	3.78	4.09	2.05	1.74	.40	.10	1.55	1.24
November	3.12	2.46	5.58	3.53	3.79	2.05	1.79	.40	.09	1.56	1.30
December	3.06	2.39	5.45	3.52	3.78	1.93	1.67	.40	.10	1.43	1.17
1949											
January	3.01	2.24	5.25	3.12	3.38	2.13	1.87	.41	.14	1.58	1.32
February	2.83	2.24	5.07	3.02	3.28	2.05	1.79	.41	.15	1.49	1.23
March	2.63	2.09	4.72	2.97	3.18	1.75	1.54	.41	.15	1.19	.98
April	2.52	2.01	4.53	2.77	2.78	1.76	1.75	.41	.16	1.19	1.18
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	2.39	2.01	4.40	2.80		1.60		.40	.16	1.04	
June	2.41	1.94	4.35	2.77		1.58		.40	.16	1.02	
July	2.46	1.94	4.40	2.82		1.58		.40	.15	1.03	
August	2.61	1.94	4.55	2.95		1.60		.40	.14	1.06	
September	2.55	1.94	4.49	2.98		1.51		.41	.12	.98	
October	2.48	1.94	4.42	2.99		1.43		.41	.10	.92	
November	2.45	1.94	4.39	2.99		1.40		.41	.09	.90	
December	2.50	1.94	4.44	3.02		1.42		.41	.10	.91	
1950											
January	2.49	1.86	4.35	2.90		1.45		.41	.14	.90	
February	2.42	1.86	4.28	2.93		1.35		.41	.15	.79	
March	2.40	1.86	4.26	2.82		1.44		.41	.15	.88	
April	2.36	1.71	4.07	2.79		1.28		.41	.16	.71	
May	2.36	1.71	4.07	2.78		1.29		.41	.16	.72	
June	2.36	1.71	4.07	2.78		1.29		.41	.16	.72	
July	2.40	1.79	4.19	2.79		1.40		.41	.15	.84	
August	2.51	1.79	4.30	2.97		1.33		.42	.14	.77	
September	2.60	1.94	4.54	3.04		1.50		.42	.12	.96	
October	2.62	2.01	4.63	3.03		1.60		.42	.10	1.08	
November	2.65	2.01	4.66	3.18		1.48		.43	.09	.96	
December	2.74	2.09	4.83	3.33		1.50		.43	.11	.96	
1951											
January	2.87	2.16	5.03	3.53		1.50		.44	.14	.92	
February	2.94	2.16	5.10	3.50		1.60		.46	.16	.98	
March	2.83	2.16	4.99	3.23		1.76		.46	.16	1.14	
April	2.82	2.16	4.98	3.29		1.69		.45	.17	1.07	
May	2.83	2.16	4.99	3.41		1.58		.45	.17	.96	
June	2.80	2.24	5.04	3.35		1.69		.45	.17	1.07	
July	2.74	2.24	4.98	3.33		1.65		.46	.16	1.03	
August	2.78	2.24	5.02	3.45		1.57		.45	.15	.97	
September	2.80	2.24	5.04	3.46		1.58		.46	.12	1.00	
October	2.85	2.38	5.23	3.63		1.60		.46	.10	1.04	
November	2.91	2.38	5.29	3.86		1.43		.46	.09	.88	
December	3.14	2.38	5.52	4.09		1.43		.46	.11	.86	

Continued

1/ See footnote at end of table.

Table 38.--Partial net margins for cream and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of creamed cottage cheese	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January	3.24	2.38	5.62	4.16	1.46	0.46	0.18	0.82
February	3.28	2.38	5.66	4.27	1.39	.46	.21	.72
March	3.08	2.46	5.54	3.74	1.80	.46	.21	1.13
April	2.81	2.38	5.19	3.65	1.54	.46	.21	.87
May	2.74	2.38	5.12	3.58	1.54	.46	.22	.86
June	2.72	2.38	5.10	3.54	1.56	.46	.22	.88
July	2.86	2.38	5.24	3.64	1.60	.46	.20	.94
August	3.06	2.38	5.44	3.99	1.45	.47	.19	.79
September	3.06	2.38	5.44	3.99	1.45	.47	.16	.82
October	3.02	2.38	5.40	3.90	1.50	.47	.14	.89
November	2.93	2.38	5.31	3.78	1.53	.48	.12	.93
December	2.81	2.38	5.19	3.62	1.57	.48	.14	.95
1953								
January	2.65	2.38	5.03	3.45	1.58	.48	.19	.91
February	2.61	2.31	4.92	3.37	1.55	.48	.21	.86
March	2.54	2.31	4.85	3.40	1.45	.48	.21	.76
April	2.46	2.31	4.77	3.31	1.46	.48	.22	.76
May	2.45	2.31	4.76	3.25	1.51	.48	.22	.81
June	2.45	2.31	4.76	3.26	1.50	.48	.23	.79
July	2.56	2.31	4.87	3.23	1.64	.49	.21	.94
August	2.61	2.31	4.92	3.27	1.65	.49	.19	.97
September	2.65	2.38	5.03	3.38	1.65	.49	.16	1.00
October	2.65	2.38	5.03	3.36	1.67	.49	.14	1.04
November	2.61	2.38	4.99	3.35	1.64	.49	.12	1.03
December	2.61	2.38	4.99	3.32	1.67	.49	.15	1.03
1954								
January	2.58	2.38	4.96	3.28	1.68	.49	.19	1.00
February	2.55	2.38	4.93	3.27	1.66	.49	.21	.96
March	2.42	2.31	4.73	3.24	1.49	.49	.21	.79
April	2.19	2.31	4.50	2.93	1.57	.49	.22	.86
May	2.16	2.31	4.47	2.75	1.72	.49	.22	1.01
June	2.16	2.31	4.47	2.72	1.75	.49	.23	1.03
July	2.25	2.31	4.56	2.86	1.70	.49	.21	1.00
August	2.35	2.38	4.73	2.91	1.82	.49	.19	1.14
September	2.37	2.38	4.75	3.00	1.75	.49	.16	1.10
October	2.35	2.38	4.73	3.04	1.69	.50	.14	1.05
November	2.35	2.38	4.73	3.07	1.66	.49	.13	1.04
December	2.37	2.38	4.75	3.12	1.63	.50	.15	.98
1955								
January	2.30	2.38	4.68	2.98	1.70	.50	.19	1.01
February	2.23	2.38	4.61	2.95	1.66	.50	.22	.94
March	2.21	2.38	4.59	2.93	1.66	.50	.22	.94
April	2.21	2.38	4.59	2.92	1.67	.50	.23	.94
May	2.21	2.38	4.59	2.92	1.67	.50	.23	.94
June	2.21	2.38	4.59	2.91	1.68	.50	.23	.95
July	2.30	2.38	4.68	2.92	1.76	.51	.21	1.04
August	2.39	2.45	4.84	2.95	1.89	.51	.20	1.18
September	2.39	2.45	4.84	3.00	1.84	.51	.17	1.16
October	2.32	2.45	4.77	2.98	1.79	.52	.14	1.13
November	2.35	2.45	4.80	2.97	1.83	.52	.13	1.18
December	2.34	2.45	4.79	2.98	1.81	.53	.15	1.13

Continued

Table 38.--Partial net margins for cream and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cream	Value of creamed cottage cheese	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January	2.32	2.46	4.78	2.95	1.83	0.53	0.20	1.10
February	2.31	2.46	4.77	2.92	1.85	.53	.22	1.10
March	2.30	2.46	4.76	2.92	1.84	.53	.22	1.09
April	2.27	2.38	4.65	2.98	1.67	.53	.23	.91
May	2.30	2.38	4.68	3.01	1.67	.54	.23	.90
June	2.32	2.38	4.70	2.99	1.71	.54	.24	.93
July	2.37	2.46	4.83	3.11	1.72	.54	.22	.96
August	2.41	2.53	4.94	3.16	1.78	.54	.20	1.04
September	2.46	2.46	4.92	3.21	1.71	.55	.17	.99
October	2.48	2.46	4.94	3.23	1.71	.55	.15	1.01
November	2.55	2.53	5.08	3.30	1.78	.55	.13	1.10
December	2.51	2.53	5.04	3.19	1.85	.55	.15	1.15
1957								
January	2.44	2.53	4.97	3.13	1.84	.56	.20	1.08
February	2.44	2.53	4.97	3.13	1.84	.56	.23	1.05
March	2.44	2.53	4.97	3.10	1.87	.56	.23	1.08
April	2.41	2.53	4.94	3.10	1.84	.56	.24	1.04
May	2.39	2.53	4.92	3.06	1.86	.57	.24	1.05
June	2.39	2.53	4.92	3.06	1.86	.57	.24	1.05
July	2.44	2.53	4.97	3.13	1.84	.57	.22	1.05
August	2.51	2.60	5.11	3.17	1.94	.57	.21	1.16
September	2.55	2.60	5.15	3.26	1.89	.57	.18	1.14
October	2.53	2.60	5.13	3.22	1.91	.57	.15	1.19
November	2.51	2.60	5.11	3.20	1.91	.57	.13	1.21
December	2.51	2.60	5.11	3.17	1.94	.57	.16	1.21

1/ Ice cream for sale in New York City only. Before April 1949, milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufacturing purposes was put in Class III.

Table 39.--Partial net margins for ice cream mix and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of ice cream mix	Value of nonfat dry milk	Total value	Cost of raw milk when cream is used for--		Gross margin when cream is used for--		Processing cost	Cost of feeder milk	Partial net margin when cream is used for--	
				Ice cream and frozen cream 1/	Other purposes	Ice cream and frozen cream 1/	Other purposes			Ice cream and frozen cream 1/	Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	5.18	0.94	6.12	5.07	5.34	1.05	0.78	0.43	0.13	0.49	0.22
February	5.24	.93	6.17	5.07	5.33	1.10	.84	.43	.15	.52	.26
March	5.24	.91	6.15	4.89	5.11	1.26	1.04	.43	.15	.68	.46
April	5.18	.90	6.08	4.99	5.20	1.09	.88	.43	.15	.51	.30
May	5.15	.91	6.06	4.92	5.13	1.14	.93	.44	.16	.54	.33
June	5.21	.92	6.13	4.91	5.12	1.22	1.01	.44	.16	.62	.41
July	5.33	.94	6.27	5.01	5.22	1.26	1.05	.44	.15	.67	.46
August	5.30	.94	6.24	4.92	5.19	1.32	1.05	.45	.14	.73	.46
September	5.27	.95	6.22	4.77	5.03	1.45	1.19	.45	.12	.88	.62
October	5.27	.95	6.22	4.20	4.51	2.02	1.71	.45	.10	1.47	1.16
November	5.18	.94	6.12	3.95	4.21	2.17	1.91	.45	.09	1.63	1.37
December	5.07	.92	5.99	3.94	4.20	2.05	1.79	.45	.10	1.50	1.24
1949											
January	4.98	.73	5.71	3.53	3.79	2.18	1.92	.46	.14	1.58	1.32
February	4.81	.68	5.49	3.43	3.69	2.06	1.80	.45	.15	1.46	1.20
March	4.58	.68	5.26	3.38	3.59	1.88	1.67	.45	.15	1.28	1.07
April	4.44	.69	5.13	3.18	3.19	1.95	1.94	.44	.16	1.35	1.34
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	4.24	.71	4.95	3.21		1.74		.44	.16	1.14	
June	4.09	.72	4.81	3.18		1.63		.44	.16	1.03	
July	4.07	.73	4.80	3.21		1.59		.44	.15	1.00	
August	4.12	.73	4.85	3.36		1.49		.44	.14	.91	
September	4.12	.75	4.87	3.39		1.48		.44	.12	.92	
October	4.12	.74	4.86	3.40		1.46		.44	.10	.92	
November	4.12	.74	4.86	3.40		1.46		.44	.09	.93	
December	4.12	.74	4.86	3.43		1.43		.44	.10	.89	
1950											
January	4.05	.73	4.78	3.32		1.46		.44	.14	.88	
February	4.02	.73	4.75	3.35		1.40		.45	.15	.80	
March	4.02	.73	4.75	3.24		1.51		.45	.15	.91	
April	4.02	.73	4.75	3.21		1.54		.44	.16	.94	
May	3.90	.73	4.63	3.20		1.43		.45	.16	.82	
June	3.90	.73	4.63	3.20		1.43		.45	.16	.82	
July	3.96	.73	4.69	3.21		1.48		.46	.15	.87	
August	4.08	.73	4.81	3.39		1.42		.46	.14	.82	
September	4.25	.76	5.01	3.46		1.55		.47	.12	.96	
October	4.31	.76	5.07	3.45		1.62		.47	.10	1.05	
November	4.42	.77	5.19	3.60		1.59		.48	.09	1.02	
December	4.42	.78	5.20	3.75		1.45		.49	.11	.85	
1951											
January	4.54	.79	5.33	3.95		1.38		.50	.14	.74	
February	4.54	.79	5.33	3.92		1.41		.50	.16	.75	
March	4.54	.80	5.34	3.65		1.69		.50	.16	1.03	
April	4.54	.86	5.40	3.71		1.69		.50	.17	1.02	
May	4.45	.86	5.31	3.83		1.48		.50	.17	.81	
June	4.45	.86	5.31	3.77		1.54		.50	.17	.87	
July	4.45	.86	5.31	3.75		1.56		.50	.16	.90	
August	4.57	.89	5.46	3.87		1.59		.50	.15	.94	
September	4.60	.91	5.51	3.88		1.63		.50	.12	1.01	
October	4.65	.92	5.57	4.05		1.52		.50	.10	.92	
November	4.68	.92	5.60	4.28		1.32		.50	.09	.73	
December	4.80	.92	5.72	4.51		1.21		.51	.11	.59	

Continued

1/ See footnote at end of table.

Table 39.--Partial net margins for ice cream mix and nonfat dry milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of ice cream mix	Value of nonfat dry milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January...	4.90	0.94	5.84	4.61	1.23	0.51	0.18	0.54
February..	4.95	.96	5.91	4.72	1.19	.51	.21	.47
March.....	4.90	.99	5.89	4.19	1.70	.51	.21	.98
April.....	4.81	1.00	5.81	4.10	1.71	.51	.21	.99
May.......	4.78	1.00	5.78	4.03	1.75	.51	.22	1.02
June......	4.84	1.00	5.84	3.99	1.85	.51	.22	1.12
July......	4.90	1.00	5.90	4.09	1.81	.51	.20	1.10
August....	4.90	1.00	5.90	4.44	1.46	.51	.19	.76
September.	5.01	1.00	6.01	4.44	1.57	.51	.16	.90
October...	5.07	1.00	6.07	4.35	1.72	.51	.14	1.07
November..	5.04	1.00	6.04	4.23	1.81	.52	.12	1.17
December..	4.95	.99	5.94	4.07	1.87	.52	.14	1.21
1953								
January...	4.73	.96	5.69	3.90	1.79	.52	.19	1.08
February..	4.61	.91	5.52	3.82	1.70	.52	.21	.97
March.....	4.56	.90	5.46	3.85	1.61	.52	.21	.88
April.....	4.47	.88	5.35	3.76	1.59	.52	.22	.85
May.......	4.47	.87	5.34	3.70	1.64	.52	.22	.90
June......	4.47	.86	5.33	3.71	1.62	.52	.23	.87
July......	4.50	.86	5.36	3.68	1.68	.53	.21	.94
August....	4.53	.87	5.40	3.72	1.68	.53	.19	.96
September.	4.53	.90	5.43	3.83	1.60	.54	.16	.90
October...	4.53	.94	5.47	3.81	1.66	.54	.14	.98
November..	4.53	.95	5.48	3.80	1.68	.54	.12	1.02
December..	4.53	.94	5.47	3.77	1.70	.53	.15	1.02
1954								
January...	4.52	.92	5.44	3.73	1.71	.54	.19	.98
February..	4.52	.88	5.40	3.72	1.68	.54	.21	.93
March.....	4.40	.85	5.25	3.69	1.56	.53	.21	.82
April.....	4.26	.83	5.09	3.38	1.71	.53	.22	.96
May.......	4.23	.83	5.06	3.20	1.86	.53	.22	1.11
June......	4.23	.83	5.06	3.17	1.89	.53	.23	1.13
July......	4.26	.89	5.15	3.31	1.84	.53	.21	1.10
August....	4.29	.94	5.23	3.36	1.87	.54	.19	1.14
September.	4.29	.95	5.24	3.45	1.79	.54	.16	1.09
October...	4.38	.94	5.32	3.49	1.83	.54	.14	1.15
November..	4.38	.94	5.32	3.52	1.80	.54	.13	1.13
December..	4.38	.94	5.32	3.57	1.75	.54	.15	1.06
1955								
January...	4.32	.94	5.26	3.41	1.85	.54	.19	1.12
February..	4.32	.91	5.23	3.38	1.85	.55	.22	1.08
March.....	4.29	.90	5.19	3.36	1.83	.55	.22	1.06
April.....	4.29	.90	5.19	3.35	1.84	.55	.23	1.06
May.......	4.27	.91	5.18	3.35	1.83	.55	.23	1.05
June......	4.21	.91	5.12	3.34	1.78	.55	.23	1.00
July......	4.35	.93	5.28	3.35	1.93	.55	.21	1.17
August....	4.43	.93	5.36	3.38	1.98	.56	.20	1.22
September.	4.43	.93	5.36	3.43	1.93	.57	.17	1.19
October...	4.43	.93	5.36	3.41	1.95	.56	.14	1.25
November..	4.43	.93	5.36	3.40	1.96	.57	.13	1.26
December..	4.43	.92	5.35	3.41	1.94	.57	.15	1.22

Continued

Table 39.--Partial net margins for ice cream mix and nonfat dry milk, per hundred pounds of milk, New York New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value 1/ of ice cream mix	Value of nonfat dry milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January...	4.46	0.92	5.38	3.40	1.98	0.58	0.20	1.20
February..	4.46	.89	5.35	3.37	1.98	.58	.22	1.18
March.....	4.43	.90	5.33	3.37	1.96	.58	.22	1.16
April.....	4.46	.89	5.35	3.43	1.92	.58	.23	1.11
May.......	4.46	.89	5.35	3.46	1.89	.58	.23	1.08
June......	4.49	.89	5.38	3.44	1.94	.58	.24	1.12
July......	4.54	.89	5.43	3.56	1.87	.58	.22	1.07
August....	4.57	.89	5.46	3.61	1.85	.59	.20	1.06
September.	4.57	.89	5.46	3.66	1.80	.59	.17	1.04
October...	4.57	.89	5.46	3.68	1.78	.59	.15	1.04
November..	4.63	.92	5.55	3.75	1.80	.59	.13	1.08
December..	4.66	.95	5.61	3.64	1.97	.60	.15	1.22
1957								
January...	4.57	. 5	5.52	3.59	1.93	.60	.20	1.13
February..	4.57	.95	5.52	3.59	1.93	.60	.23	1.10
March.....	4.55	.95	5.50	3.56	1.94	.61	.23	1.10
April.....	4.55	.95	5.50	3.56	1.94	.60	.24	1.10
May.......	4.55	.95	5.50	3.52	1.98	.60	.24	1.14
June......	4.55	.95	5.50	3.52	1.98	.60	.24	1.14
July......	4.43	.95	5.38	3.59	1.79	.61	.22	.96
August....	4.46	.95	5.41	3.63	1.78	.61	.21	.96
September.	4.49	.95	5.44	3.72	1.72	.61	.18	.93
October...	4.55	.94	5.49	3.68	1.81	.61	.15	1.05
November..	4.55	.91	5.46	3.66	1.80	.61	.13	1.06
December..	4.55	.91	5.46	3.63	1.83	.61	.16	1.06

1/ Ice cream for sale in New York City only. Before May 1949 milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufacturing purposes was put in Class III.

Table 40.--Partial net margins for ice cream mix and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of ice cream mix	Value of condensed skim milk	Total value	Cost of raw milk when cream is used for-- Ice cream and frozen cream 1/	Cost of raw milk when cream is used for-- Other purposes	Gross margin when cream is used for-- Ice cream and frozen cream 1/	Gross margin when cream is used for-- Other purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for-- Ice cream and frozen cream 1/	Partial net margin when cream is used for-- Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	5.18	1.00	6.18	5.07	5.34	1.11	0.84	0.32	0.13	0.66	0.39
February	5.24	1.00	6.24	5.07	5.33	1.17	.91	.33	.15	.69	.43
March	5.24	.99	6.23	4.89	5.11	1.34	1.12	.33	.15	.86	.64
April	5.18	.98	6.16	4.99	5.20	1.17	.96	.33	.15	.69	.48
May	5.15	.98	6.13	4.92	5.13	1.21	1.00	.33	.16	.72	.51
June	5.21	.98	6.19	4.91	5.12	1.28	1.07	.33	.16	.79	.58
July	5.33	1.00	6.33	5.01	5.22	1.32	1.11	.34	.15	.83	.62
August	5.30	1.00	6.30	4.92	5.19	1.38	1.11	.34	.14	.90	.63
September	5.27	1.00	6.27	4.77	5.03	1.50	1.24	.35	.12	1.03	.77
October	5.27	1.00	6.27	4.20	4.51	2.07	1.76	.35	.10	1.62	1.31
November	5.18	1.00	6.18	3.95	4.21	2.23	1.97	.35	.09	1.79	1.53
December	5.07	1.00	6.07	3.94	4.20	2.13	1.87	.35	.10	1.68	1.42
1949											
January	4.98	1.00	5.98	3.53	3.79	2.45	2.19	.35	.14	1.96	1.70
February	4.81	.94	5.75	3.43	3.69	2.32	2.06	.35	.15	1.82	1.56
March	4.58	.93	5.51	3.38	3.59	2.13	1.92	.35	.15	1.63	1.42
April	4.44	.85	5.29	3.18	3.19	2.11	2.10	.34	.16	1.61	1.60
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	4.24	.83	5.07	3.21		1.86		.34	.16	1.36	
June	4.09	.83	4.92	3.18		1.74		.34	.16	1.24	
July	4.07	.84	4.91	3.21		1.70		.34	.15	1.21	
August	4.12	.85	4.97	3.36		1.61		.34	.14	1.13	
September	4.12	.85	4.97	3.39		1.58		.34	.12	1.12	
October	4.12	.85	4.97	3.40		1.57		.34	.10	1.13	
November	4.12	.83	4.95	3.40		1.55		.34	.09	1.12	
December	4.12	.85	4.97	3.43		1.54		.34	.10	1.10	
1950											
January	4.05	.82	4.87	3.32		1.55		.35	.14	1.06	
February	4.02	.81	4.83	3.35		1.48		.35	.15	.98	
March	4.02	.81	4.83	3.24		1.59		.35	.15	1.09	
April	4.02	.79	4.81	3.21		1.60		.35	.16	1.09	
May	3.90	.76	4.66	3.20		1.46		.35	.16	.95	
June	3.90	.76	4.66	3.20		1.46		.35	.16	.95	
July	3.96	.76	4.72	3.21		1.51		.35	.15	1.01	
August	4.08	.78	4.86	3.39		1.47		.36	.14	.97	
September	4.25	.79	5.04	3.46		1.58		.36	.12	1.10	
October	4.31	.80	5.11	3.45		1.66		.37	.10	1.19	
November	4.42	.81	5.23	3.60		1.63		.37	.09	1.17	
December	4.42	.84	5.26	3.75		1.51		.37	.11	1.03	
1951											
January	4.54	.89	5.43	3.95		1.48		.38	.14	.96	
February	4.54	.89	5.43	3.92		1.51		.38	.16	.97	
March	4.54	.89	5.43	3.65		1.78		.39	.16	1.23	
April	4.54	.97	5.51	3.71		1.80		.38	.17	1.25	
May	4.45	.97	5.42	3.83		1.59		.38	.17	1.04	
June	4.45	.97	5.42	3.77		1.65		.38	.17	1.10	
July	4.45	.97	5.42	3.75		1.67		.39	.16	1.12	
August	4.57	.97	5.54	3.87		1.67		.38	.15	1.14	
September	4.60	.97	5.57	3.88		1.69		.39	.12	1.18	
October	4.65	1.00	5.65	4.05		1.60		.39	.10	1.11	
November	4.68	1.01	5.69	4.28		1.41		.39	.09	.93	
December	4.80	1.01	5.81	4.51		1.30		.39	.11	.80	

Continued

1/ See footnote at end of table.

Table 40.--Partial net margins for ice cream mix and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of ice cream mix	Value of condensed skim milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January	4.90	1.10	6.00	4.61	1.39	0.39	0.18	0.82
February	4.95	1.10	6.05	4.72	1.33	.39	.21	.73
March	4.90	1.09	5.99	4.19	1.80	.39	.21	1.20
April	4.81	1.09	5.90	4.10	1.80	.39	.21	1.20
May	4.78	1.08	5.86	4.03	1.83	.39	.22	1.22
June	4.84	1.06	5.90	3.99	1.91	.39	.22	1.30
July	4.90	1.07	5.97	4.09	1.88	.39	.20	1.29
August	4.90	1.10	6.00	4.44	1.56	.40	.19	.97
September	5.01	1.10	6.11	4.44	1.67	.40	.16	1.11
October	5.07	1.10	6.17	4.35	1.82	.40	.14	1.28
November	5.04	1.10	6.14	4.23	1.91	.40	.12	1.39
December	4.95	1.10	6.05	4.07	1.98	.40	.14	1.44
1953								
January	4.73	1.06	5.79	3.90	1.89	.41	.19	1.29
February	4.61	1.01	5.62	3.82	1.80	.41	.21	1.18
March	4.56	1.00	5.56	3.85	1.71	.41	.21	1.09
April	4.47	.99	5.46	3.76	1.70	.41	.22	1.07
May	4.47	.97	5.44	3.70	1.74	.41	.22	1.11
June	4.47	.97	5.44	3.71	1.73	.41	.23	1.09
July	4.50	.97	5.47	3.68	1.79	.42	.21	1.16
August	4.53	.97	5.50	3.72	1.78	.42	.19	1.17
September	4.53	.98	5.51	3.83	1.68	.42	.16	1.10
October	4.53	.99	5.52	3.81	1.71	.42	.14	1.15
November	4.53	1.00	5.53	3.80	1.73	.42	.12	1.19
December	4.53	1.01	5.54	3.77	1.77	.42	.15	1.20
1954								
January	4.52	1.01	5.53	3.73	1.80	.42	.19	1.19
February	4.52	1.00	5.52	3.72	1.80	.42	.21	1.17
March	4.40	.95	5.35	3.69	1.66	.42	.21	1.03
April	4.26	.89	5.15	3.38	1.77	.42	.22	1.13
May	4.23	.89	5.12	3.20	1.92	.42	.22	1.28
June	4.23	.89	5.12	3.17	1.95	.42	.23	1.30
July	4.26	.94	5.20	3.31	1.89	.42	.21	1.26
August	4.29	1.01	5.30	3.36	1.94	.42	.19	1.33
September	4.29	1.01	5.30	3.45	1.85	.42	.16	1.27
October	4.38	1.01	5.39	3.49	1.90	.42	.14	1.34
November	4.38	1.01	5.39	3.52	1.87	.41	.13	1.33
December	4.38	1.01	5.39	3.57	1.82	.42	.15	1.25
1955								
January	4.32	1.01	5.33	3.41	1.92	.42	.19	1.31
February	4.32	1.01	5.33	3.38	1.95	.43	.22	1.30
March	4.29	1.00	5.29	3.36	1.93	.43	.22	1.28
April	4.29	.99	5.28	3.35	1.93	.43	.23	1.27
May	4.27	.94	5.21	3.35	1.86	.43	.23	1.20
June	4.21	.94	5.15	3.34	1.81	.43	.23	1.15
July	4.35	.95	5.30	3.35	1.95	.44	.21	1.30
August	4.43	.99	5.42	3.38	2.04	.44	.20	1.40
September	4.43	.99	5.42	3.43	1.99	.45	.17	1.37
October	4.43	.99	5.42	3.41	2.01	.44	.14	1.43
November	4.43	.99	5.42	3.40	2.02	.45	.13	1.44
December	4.43	.99	5.42	3.41	2.01	.45	.15	1.41

Continued

Table 40.--Partial net margins for ice cream mix and condensed skim milk, per hundred pounds of milk, New York-New Jersey milkshed, by months--Continued

Year and month	Value of ice cream mix	Value of condensed skim milk	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January...	4.46	0.99	5.45	3.40	2.05	0.45	0.20	1.40
February..	4.46	.99	5.45	3.37	2.08	.45	.22	1.41
March.....	4.43	.99	5.42	3.37	2.05	.46	.22	1.37
April.....	4.46	.97	5.43	3.43	2.00	.46	.23	1.31
May.......	4.46	.97	5.43	3.46	1.97	.46	.23	1.28
June......	4.49	.97	5.46	3.44	2.02	.46	.24	1.32
July......	4.54	1.02	5.56	3.56	2.00	.46	.22	1.32
August....	4.57	1.02	5.59	3.61	1.98	.46	.20	1.32
September.	4.57	1.03	5.60	3.66	1.94	.47	.17	1.30
October...	4.57	1.03	5.60	3.68	1.92	.47	.15	1.30
November..	4.63	1.04	5.67	3.75	1.92	.47	.13	1.32
December..	4.66	1.04	5.70	3.64	2.06	.47	.15	1.44
1957								
January...	4.57	1.04	5.61	3.59	2.02	.47	.20	1.35
February..	4.57	1.04	5.61	3.59	2.02	.48	.23	1.31
March.....	4.55	1.04	5.59	3.56	2.03	.48	.23	1.32
April.....	4.55	1.04	5.59	3.56	2.03	.48	.24	1.31
May.......	4.55	1.04	5.59	3.52	2.07	.48	.24	1.35
June......	4.35	1.04	5.59	3.52	2.07	.48	.24	1.35
July......	4.43	1.04	5.47	3.59	1.88	.48	.22	1.18
August....	4.46	1.06	5.52	3.63	1.89	.48	.21	1.20
September.	4.49	1.07	5.56	3.72	1.84	.48	.18	1.18
October...	4.55	1.08	5.63	3.68	1.95	.48	.15	1.32
November..	4.55	1.08	5.63	3.66	1.97	.48	.13	1.36
December..	4.55	1.08	5.63	3.63	2.00	.48	.16	1.36

1/ Ice cream for sale in New York City only. Before May 1949 milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufacturing purposes was put in Class III.

Table 41.--Partial net margins for ice cream mix and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of ice cream mix	Value of cottage cheese	Total value	Cost of raw milk when cream is used for--		Gross margin when cream is used for--		Processing cost	Cost of feeder milk	Partial net margin when cream is used for--	
				Ice cream and frozen cream 1/	Other purposes	Ice cream and frozen cream 1/	Other purposes			Ice cream and frozen cream 1/	Other purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948											
January	4.58	1.80	6.38	5.02	5.29	1.36	1.09	0.40	0.13	0.83	0.56
February	4.63	1.80	6.43	5.02	5.28	1.41	1.15	.40	.15	.86	.60
March	4.63	1.80	6.43	4.84	5.06	1.59	1.37	.41	.15	1.03	.81
April	4.58	1.80	6.38	4.94	5.15	1.44	1.23	.41	.15	.88	.67
May	4.56	1.80	6.36	4.87	5.08	1.49	1.28	.41	.16	.92	.71
June	4.61	1.85	6.46	4.86	5.07	1.60	1.39	.41	.16	1.03	.82
July	4.71	1.91	6.62	4.96	5.17	1.66	1.45	.42	.15	1.09	.88
August	4.68	1.91	6.59	4.87	5.14	1.72	1.45	.42	.14	1.16	.89
September	4.66	1.91	6.57	4.72	4.98	1.85	1.59	.43	.12	1.30	1.04
October	4.66	1.91	6.57	4.15	4.46	2.42	2.11	.43	.10	1.89	1.58
November	4.58	1.91	6.49	3.90	4.16	2.59	2.33	.43	.09	2.07	1.81
December	4.48	1.85	6.33	3.89	4.15	2.44	2.18	.43	.10	1.91	1.65
1949											
January	4.40	1.74	6.14	3.49	3.75	2.65	2.39	.44	.14	2.07	1.81
February	4.25	1.74	5.99	3.39	3.65	2.60	2.34	.44	.15	2.01	1.75
March	4.05	1.62	5.67	3.34	3.55	2.33	2.12	.44	.15	1.74	1.53
April	3.92	1.57	5.49	3.14	3.15	2.35	2.34	.43	.16	1.76	1.75
				All manufacturing purposes		All manufacturing purposes				All manufacturing purposes	
May	3.74	1.57	5.31	3.17		3.14		.43	.16	1.55	
June	3.62	1.51	5.13	3.14		1.99		.43	.16	1.40	
July	3.59	1.51	5.10	3.19		1.91		.43	.15	1.33	
August	3.64	1.51	5.15	3.32		1.83		.43	.14	1.26	
September	3.64	1.51	5.15	3.35		1.80		.43	.12	1.25	
October	3.64	1.51	5.15	3.36		1.79		.43	.10	1.26	
November	3.64	1.51	5.15	3.36		1.79		.43	.09	1.27	
December	3.64	1.51	5.15	3.39		1.76		.43	.10	1.23	
1950											
January	3.58	1.45	5.03	3.27		1.76		.44	.14	1.18	
February	3.55	1.45	5.00	3.30		1.70		.44	.15	1.11	
March	3.55	1.45	5.00	3.19		1.81		.44	.15	1.22	
April	3.55	1.33	4.88	3.16		1.72		.44	.16	1.12	
May	3.45	1.33	4.78	3.15		1.63		.44	.16	1.03	
June	3.45	1.33	4.78	3.15		1.63		.44	.16	1.03	
July	3.50	1.39	4.89	3.16		1.73		.44	.15	1.14	
August	3.60	1.39	4.99	3.34		1.65		.45	.14	1.06	
September	3.76	1.51	5.27	3.41		1.86		.45	.12	1.29	
October	3.81	1.57	5.38	3.40		1.98		.46	.10	1.42	
November	3.91	1.57	5.48	3.55		1.93		.46	.09	1.38	
December	3.91	1.62	5.53	3.70		1.83		.47	.11	1.25	
1951											
January	4.01	1.68	5.69	3.90		1.79		.47	.14	1.18	
February	4.01	1.68	5.69	3.87		1.82		.49	.16	1.17	
March	4.01	1.68	5.69	3.60		2.09		.49	.16	1.44	
April	4.01	1.68	5.69	3.66		2.03		.49	.17	1.37	
May	3.93	1.68	5.61	3.78		1.83		.49	.17	1.17	
June	3.93	1.74	5.67	3.72		1.95		.49	.17	1.29	
July	3.93	1.74	5.67	3.70		1.97		.49	.16	1.32	
August	4.03	1.74	5.77	3.82		1.95		.49	.15	1.31	
September	4.06	1.74	5.80	3.83		1.97		.49	.12	1.36	
October	4.11	1.86	5.97	4.00		1.97		.49	.10	1.38	
November	4.13	1.86	5.99	4.23		1.76		.49	.09	1.18	
December	4.23	1.86	6.09	4.46		1.63		.49	.11	1.03	

Continued.

1/ See footnote at end of table.

Table 41.--Partial net margins for ice cream mix and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of ice cream mix	Value of cottage cheese	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952								
January	4.32	1.86	6.18	4.56	1.62	0.50	0.18	0.94
February	4.37	1.86	6.23	4.67	1.56	.49	.21	.86
March	4.32	1.92	6.24	4.14	2.10	.50	.21	1.39
April	4.25	1.86	6.11	4.05	2.06	.49	.21	1.36
May	4.22	1.86	6.08	3.98	2.10	.49	.22	1.39
June	4.27	1.86	6.13	3.94	2.19	.49	.22	1.48
July	4.32	1.86	6.18	4.04	2.14	.49	.20	1.45
August	4.32	1.86	6.18	4.39	1.79	.50	.19	1.10
September	4.42	1.86	6.28	4.39	1.89	.51	.16	1.22
October	4.47	1.86	6.33	4.30	2.03	.51	.14	1.38
November	4.45	1.86	6.31	4.18	2.13	.51	.12	1.50
December	4.37	1.86	6.23	4.02	2.21	.51	.14	1.56
1953								
January	4.17	1.86	6.03	3.84	2.19	.51	.19	1.49
February	4.07	1.80	5.87	3.76	2.11	.51	.21	1.39
March	4.02	1.80	5.82	3.79	2.03	.51	.21	1.31
April	3.94	1.80	5.74	3.70	2.04	.51	.22	1.31
May	3.94	1.80	5.74	3.64	2.10	.51	.22	1.37
June	3.94	1.80	5.74	3.65	2.09	.52	.23	1.34
July	3.97	1.80	5.77	3.62	2.15	.52	.21	1.42
August	3.99	1.80	5.79	3.66	2.13	.52	.19	1.42
September	3.99	1.86	5.85	3.77	2.08	.52	.16	1.40
October	3.99	1.86	5.85	3.75	2.10	.52	.14	1.44
November	3.99	1.86	5.85	3.74	2.11	.52	.12	1.47
December	3.99	1.86	5.85	3.71	2.14	.52	.15	1.47
1954								
January	3.98	1.86	5.84	3.67	2.17	.53	.19	1.45
February	3.98	1.86	5.84	3.66	2.18	.53	.21	1.44
March	3.88	1.81	5.69	3.63	2.06	.52	.21	1.33
April	3.76	1.81	5.57	3.32	2.25	.52	.22	1.51
May	3.73	1.81	5.54	3.14	2.40	.52	.22	1.66
June	3.73	1.81	5.54	3.11	2.43	.52	.23	1.68
July	3.76	1.81	5.57	3.25	2.32	.53	.21	1.58
August	3.78	1.86	5.64	3.30	2.34	.53	.19	1.62
September	3.78	1.86	5.64	3.39	2.25	.53	.16	1.56
October	3.86	1.86	5.72	3.43	2.29	.53	.14	1.62
November	3.86	1.86	5.72	3.46	2.26	.53	.13	1.60
December	3.86	1.86	5.72	3.51	2.21	.53	.15	1.53
1955								
January	3.81	1.87	5.68	3.36	2.32	.53	.19	1.60
February	3.81	1.87	5.68	3.33	2.35	.54	.22	1.59
March	3.78	1.87	5.65	3.31	2.34	.54	.22	1.58
April	3.78	1.87	5.65	3.30	2.35	.54	.23	1.58
May	3.76	1.87	5.63	3.30	2.33	.54	.23	1.56
June	3.71	1.87	5.58	3.29	2.29	.54	.23	1.52
July	3.83	1.87	5.70	3.30	2.40	.55	.21	1.64
August	3.90	1.92	5.82	3.33	2.49	.55	.20	1.74
September	3.90	1.92	5.82	3.38	2.44	.55	.17	1.72
October	3.90	1.92	5.82	3.36	2.46	.56	.14	1.76
November	3.90	1.92	5.82	3.35	2.47	.56	.13	1.78
December	3.90	1.92	5.82	3.36	2.46	.56	.15	1.75

Continued

Table 41.--Partial net margins for ice cream mix and cottage cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of ice cream mix	Value of cottage cheese	Total value	Cost of raw milk when cream is used for all manufacturing purposes	Gross margin when cream is used for all manufacturing purposes	Processing cost	Cost of feeder milk	Partial net margin when cream is used for all manufacturing purposes
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956								
January	3.93	1.92	5.85	3.36	2.49	0.57	0.20	1.72
February	3.93	1.92	5.85	3.33	2.52	.57	.22	1.73
March	3.91	1.92	5.83	3.33	2.50	.57	.22	1.71
April	3.93	1.86	5.79	3.39	2.40	.57	.23	1.60
May	3.93	1.86	5.79	3.42	2.37	.58	.23	1.56
June	3.96	1.86	5.82	3.40	2.42	.58	.24	1.60
July	4.00	1.92	5.92	3.52	2.40	.58	.22	1.60
August	4.03	1.98	6.01	3.57	2.44	.58	.20	1.66
September	4.03	1.92	5.95	3.62	2.33	.59	.17	1.57
October	4.03	1.92	5.95	3.64	2.31	.59	.15	1.57
November	4.08	1.98	6.06	3.71	2.35	.59	.13	1.63
December	4.10	1.98	6.08	3.60	2.48	.59	.15	1.74
1957								
January	4.03	1.98	6.01	3.54	2.47	.60	.20	1.67
February	4.03	1.98	6.01	3.54	2.47	.60	.23	1.64
March	4.00	1.98	5.98	3.51	2.47	.60	.23	1.64
April	4.00	1.98	5.98	3.51	2.47	.60	.24	1.63
May	4.00	1.98	5.98	3.47	2.51	.60	.24	1.67
June	4.00	1.98	5.98	3.47	2.51	.61	.24	1.66
July	3.90	1.98	5.88	3.54	2.34	.61	.22	1.51
August	3.93	2.04	5.97	3.58	2.39	.61	.21	1.57
September	3.95	2.04	5.99	3.67	2.32	.61	.18	1.53
October	4.00	2.04	6.04	3.63	2.41	.61	.15	1.65
November	4.00	2.04	6.04	3.61	2.43	.61	.13	1.69
December	4.00	2.04	6.04	3.58	2.46	.61	.16	1.69

1/ Ice cream for sale in New York City only. Before May 1949 milk used for ice cream for sale in New York City and for frozen cream was in a separate class from the cream for other manufacturing purposes. In April 1949, cream for all manufactiring purposes was put in Class III.

Table 42.--Partial net margins for Cheddar cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of cheese	Value of butter	Total value of cheese and butter	Raw milk cost	Gross margin	Processing cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1948							
January	4.70	0.19	4.89	4.58	0.31	0.55	-0.24
February	4.70	.18	4.88	4.45	.43	.55	-.12
March	4.33	.18	4.51	3.42	1.09	.55	.54
April	4.50	.18	4.68	3.63	1.05	.56	.49
May	4.85	.18	5.03	3.92	1.11	.56	.55
June	4.92	.18	5.10	3.96	1.14	.56	.58
July	5.19	.17	5.36	4.27	1.09	.56	.53
August	4.98	.17	5.15	3.98	1.17	.57	.60
September	4.64	.16	4.80	3.68	1.12	.57	.55
October	4.24	.14	4.38	3.74	.64	.57	.07
November	4.08	.14	4.22	3.63	.59	.57	.02
December	4.17	.14	4.31	3.34	.97	.57	.40
1949							
January	3.90	.14	4.04	2.86	1.18	.57	.61
February	3.69	.14	3.83	2.66	1.17	.57	.60
March	3.51	.14	3.65	2.59	1.06	.56	.50
April	3.50	.13	3.63	2.63	1.00	.56	.44
May	3.52	.13	3.65	2.65	1.00	.55	.45
June	3.48	.13	3.61	2.63	.98	.54	.44
July	3.42	.13	3.55	2.68	.87	.54	.33
August	3.59	.14	3.73	2.80	.93	.54	.39
September	3.62	.14	3.76	2.83	.93	.55	.38
October	3.56	.14	3.70	2.85	.85	.55	.30
November	3.60	.14	3.74	2.85	.89	.55	.34
December	3.65	.14	3.79	2.88	.91	.55	.36
1950							
January	3.55	.14	3.69	2.76	.93	.55	.38
February	3.60	.14	3.74	2.78	.96	.56	.40
March	3.52	.13	3.65	2.68	.97	.55	.42
April	3.40	.13	3.53	2.64	.89	.55	.34
May	3.38	.13	3.51	2.64	.87	.55	.32
June	3.40	.13	3.53	2.63	.90	.56	.34
July	3.44	.13	3.57	2.64	.93	.57	.36
August	3.51	.14	3.65	2.82	.83	.58	.25
September	3.53	.14	3.67	2.90	.77	.60	.17
October	3.62	.14	3.76	2.89	.87	.61	.26
November	3.68	.14	3.82	3.03	.79	.62	.17
December	3.91	.15	4.06	3.19	.87	.63	.24
1951							
January	4.44	.15	4.59	3.38	1.21	.65	.56
February	4.52	.15	4.67	3.36	1.31	.65	.66
March	4.40	.15	4.55	3.08	1.47	.65	.82
April	4.15	.15	4.30	3.14	1.16	.65	.51
May	4.21	.15	4.36	3.26	1.10	.65	.45
June	4.29	.15	4.44	3.20	1.24	.64	.60
July	4.10	.15	4.25	3.18	1.07	.64	.43
August	4.21	.15	4.36	3.31	1.05	.63	.42
September	4.19	.15	4.34	3.32	1.02	.63	.39
October	4.26	.16	4.42	3.49	.93	.63	.30
November	4.37	.16	4.53	3.71	.82	.63	.19
December	4.54	.17	4.71	3.94	.77	.64	.13

Continued

Table 42.--Partial net margins for Cheddar cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cheese	Value of butter	Total value of cheese and butter	Raw milk cost	Gross margin	Processing cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1952							
January	4.40	0.17	4.57	4.01	0.56	0.64	-0.08
February	4.33	.18	4.51	4.12	.39	.64	-.25
March	4.31	.15	4.46	3.60	.86	.64	.22
April	4.25	.15	4.40	3.50	.90	.63	.27
May	4.27	.14	4.41	3.42	.99	.63	.36
June	4.29	.14	4.43	3.40	1.03	.63	.40
July	4.27	.15	4.42	3.49	.93	.63	.30
August	4.34	.15	4.49	3.84	.65	.64	.01
September	4.68	.15	4.83	3.92	.91	.64	.27
October	4.65	.15	4.80	3.80	1.00	.64	.36
November	4.56	.15	4.71	3.67	1.04	.64	.40
December	4.25	.14	4.39	3.47	.92	.65	.27
1953							
January	4.23	.14	4.37	3.30	1.07	.65	.42
February	4.20	.14	4.34	3.22	1.12	.65	.47
March	4.08	.14	4.22	3.26	.96	.65	.31
April	3.99	.14	4.13	3.16	.97	.64	.33
May	3.97	.14	4.11	3.11	1.00	.65	.35
June	3.94	.14	4.08	3.11	.97	.65	.32
July	3.95	.14	4.09	3.09	1.00	.66	.34
August	3.96	.14	4.10	3.13	.97	.66	.31
September	3.97	.14	4.11	3.23	.88	.66	.22
October	4.12	.14	4.26	3.22	1.04	.66	.38
November	4.12	.14	4.26	3.21	1.05	.66	.39
December	4.01	.14	4.15	3.17	.98	.66	.32
1954							
January	3.91	.14	4.05	3.14	.91	.66	.25
February	3.84	.14	3.98	3.12	.86	.66	.20
March	3.76	.14	3.90	3.10	.80	.65	.15
April	3.68	.12	3.80	2.78	1.02	.65	.37
May	3.65	.12	3.77	2.60	1.17	.65	.52
June	3.60	.12	3.72	2.57	1.15	.65	.50
July	3.60	.12	3.72	2.71	1.01	.66	.35
August	3.60	.12	3.72	2.77	.95	.66	.29
September	3.60	.12	3.72	2.86	.86	.66	.20
October	3.70	.13	3.83	2.89	.94	.66	.28
November	3.74	.13	3.87	2.92	.95	.66	.29
December	3.70	.13	3.83	2.97	.86	.66	.20
1955							
January	3.66	.12	3.78	2.84	.94	.66	.28
February	3.66	.12	3.78	2.80	.98	.67	.31
March	3.68	.12	3.80	2.79	1.01	.67	.34
April	3.66	.12	3.78	2.78	1.00	.67	.33
May	3.66	.12	3.78	2.77	1.01	.67	.34
June	3.61	.12	3.73	2.77	.96	.67	.29
July	3.60	.12	3.72	2.77	.95	.68	.27
August	3.56	.12	3.68	2.81	.87	.69	.18
September	3.58	.12	3.70	2.85	.85	.70	.15
October	3.70	.12	3.82	2.84	.98	.70	.28
November	3.73	.12	3.85	2.82	1.03	.70	.33
December	3.68	.12	3.80	2.83	.97	.70	.27

Continued

Table 42.--Partial net margins for Cheddar cheese, per hundred pounds of milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of cheese	Value of butter	Total value of cheese and butter	Raw milk cost	Gross margin	Processing cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1956							
January	3.68	0.12	3.80	2.80	1.00	0.71	0.29
February	3.66	.12	3.78	2.77	1.01	.71	.30
March	3.65	.12	3.77	2.77	1.00	.71	.29
April	3.64	.12	3.76	2.83	.93	.72	.21
May	3.73	.12	3.85	2.90	.95	.71	.24
June	3.72	.12	3.84	2.88	.96	.71	.25
July	3.69	.12	3.81	3.01	.80	.71	.09
August	3.63	.13	3.76	3.05	.71	.72	-.01
September	3.63	.13	3.76	3.10	.66	.72	-.06
October	3.63	.13	3.76	3.13	.63	.72	-.09
November	3.65	.13	3.78	3.19	.59	.73	-.14
December	3.65	.13	3.78	3.08	.70	.73	-.03
1957							
January	3.66	.13	3.79	3.02	.77	.73	.04
February	3.68	.13	3.81	3.02	.79	.73	.06
March	3.73	.13	3.86	2.95	.91	.73	.18
April	3.73	.13	3.86	2.96	.90	.73	.17
May	3.75	.13	3.88	2.91	.97	.73	.24
June	3.75	.13	3.88	2.92	.96	.73	.23
July	3.75	.13	3.88	3.02	.86	.74	.12
August	3.75	.13	3.88	3.07	.81	.74	.07
September	3.76	.13	3.89	3.15	.74	.74	.00
October	3.75	.13	3.88	3.11	.77	.74	.03
November	3.80	.13	3.93	3.09	.84	.74	.10
December	3.87	.13	4.00	3.07	.93	.74	.19

Table 43.--Partial net margins for a hundred pounds of spot milk, New York-New Jersey milkshed, by months, 1948-57

Year and month	Value of spot milk	Raw milk cost	Gross margin	Receiving cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.
1948					
January	6.47	5.57	0.90	0.11	0.79
February	6.47	5.55	.92	.11	.81
March	6.47	5.52	.95	.11	.84
April	6.47	5.49	.98	.11	.87
May	5.81	5.09	.72	.11	.61
June	6.11	5.52	.59	.11	.48
July	6.31	5.53	.78	.12	.66
August	6.76	5.99	.77	.12	.65
September	6.69	6.02	.67	.12	.55
October	6.78	6.28	.50	.12	.38
November	6.94	6.26	.68	.12	.56
December	6.91	6.24	.67	.12	.55
1949					
January	6.34	5.78	.56	.12	.44
February	6.02	5.54	.48	.12	.36
March	5.91	5.52	.39	.12	.27
April	5.52	5.06	.46	.12	.34
May	5.41	5.09	.32	.12	.20
June	5.58	5.07	.51	.12	.39
July	5.99	5.30	.69	.12	.57
August	6.24	5.31	.93	.12	.81
September	5.99	5.36	.63	.12	.51
October	5.93	5.37	.56	.12	.44
November	5.89	5.38	.51	.12	.39
December	5.89	5.36	.53	.12	.41
1950					
January	5.42	4.89	.53	.12	.41
February	5.33	4.88	.45	.12	.33
March	5.16	4.88	.28	.12	.16
April	4.89	4.63	.26	.12	.14
May	4.80	4.43	.37	.12	.25
June	4.54	4.19	.35	.12	.23
July	5.16	4.64	.52	.12	.40
August	5.96	5.00	.96	.12	.84
September	6.35	5.50	.85	.12	.73
October	6.56	5.88	.68	.13	.55
November	7.19	6.14	1.05	.13	.92
December	7.02	5.91	1.11	.13	.98
1951					
January	6.64	5.85	.79	.13	.66
February	6.66	5.89	.77	.13	.64
March	6.58	5.82	.76	.13	.63
April	6.18	5.50	.68	.13	.55
May	5.75	5.14	.61	.13	.48
June	5.75	5.10	.65	.13	.52
July	6.28	5.50	.78	.13	.65
August	6.49	5.68	.81	.13	.68
September	6.69	5.82	.87	.13	.74
October	6.71	5.94	.77	.13	.64
November	7.22	6.14	1.08	.13	.95
December	7.09	6.13	.96	.13	.83

Continued

Table 43.--Partial net margins for a hundred pounds of spot milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of spot milk	Raw milk cost	Gross margin	Receiving cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.
1952					
January	6.74	6.05	0.69	0.14	0.55
February	6.58	5.87	.71	.14	.57
March	6.26	5.65	.61	.14	.47
April	5.88	5.21	.67	.14	.53
May	5.54	4.87	.67	.13	.54
June	5.47	4.83	.64	.14	.50
July	6.12	5.18	.94	.14	.80
August	6.16	5.46	.70	.14	.56
September	6.64	5.84	.80	.14	.66
October	6.61	5.98	.63	.14	.49
November	6.66	5.97	.69	.14	.55
December	6.42	5.87	.55	.14	.41
1953					
January	6.09	5.63	.46	.14	.32
February	5.72	5.33	.39	.14	.25
March	5.48	5.13	.35	.14	.21
April	5.06	4.78	.28	.14	.14
May	4.71	4.57	.14	.14	.00
June	4.84	4.54	.30	.14	.16
July	5.72	4.92	.80	.14	.66
August	5.99	5.27	.72	.14	.58
September	7.01	5.63	1.38	.15	1.23
October	6.54	5.82	.72	.14	.58
November	6.81	6.04	.77	.14	.63
December	6.52	5.82	.70	.14	.56
1954					
January	6.06	5.53	.53	.15	.38
February	5.69	5.30	.39	.15	.24
March	5.26	5.12	.14	.14	.00
April	5.04	4.79	.25	.14	.11
May	4.60	4.50	.10	.14	.04
June	4.91	4.52	.39	.14	.25
July	5.78	4.88	.90	.15	.75
August	6.32	5.12	1.20	.15	1.05
September	6.53	5.37	1.16	.15	1.01
October	6.64	5.71	.93	.15	.78
November	6.87	5.81	1.06	.15	.91
December	6.48	5.56	.92	.15	.77
1955					
January	6.05	5.43	.62	.15	.47
February	6.02	5.41	.61	.15	.46
March	5.95	5.40	.55	.15	.40
April	5.99	5.38	.61	.15	.46
May	5.28	4.78	.50	.15	.35
June	5.48	4.78	.70	.15	.55
July	6.05	4.94	1.11	.15	.96
August	6.64	5.21	1.43	.15	1.28
September	6.31	5.48	.83	.15	.68
October	6.53	5.73	.80	.15	.65
November	6.42	5.60	.82	.15	.67
December	6.35	5.61	.74	.16	.58

Continued

Table 43.--Partial net margins for a hundred pounds of spot milk, New York-New Jersey milkshed, by months, 1948-57--Continued

Year and month	Value of spot milk	Raw milk cost	Gross margin	Receiving cost	Partial net margin
	Dol.	Dol.	Dol.	Dol.	Dol.
1956					
January	6.18	5.53	0.65	0.16	0.49
February	6.18	5.52	.66	.16	.50
March	5.71	5.10	.61	.16	.45
April	5.39	4.80	.59	.16	.43
May	5.46	4.82	.64	.16	.48
June	5.41	4.81	.60	.16	.44
July	5.94	5.27	.67	.16	.51
August	6.33	5.42	.91	.16	.75
September	6.54	5.46	1.08	.16	.92
October	6.54	5.61	.93	.16	.77
November	7.11	5.91	1.20	.16	1.04
December	7.08	5.94	1.14	.16	.98
1957					
January	6.66	5.86	.80	.16	.64
February	6.54	5.73	.81	.16	.65
March	6.34	5.65	.69	.17	.52
April	6.06	5.38	.68	.16	.52
May	5.66	5.08	.58	.17	.41
June	5.68	5.03	.65	.17	.48
July	6.01	5.33	.68	.17	.51
August	6.74	5.64	1.10	.17	.93
September	7.07	5.91	1.16	.17	.99
October	7.04	6.18	.86	.17	.69
November	7.08	6.32	.76	.17	.59
December	6.84	6.17	.67	.17	.50

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